



# 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<sub>fp</sub>** = 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="47.766919723"/>
Longitude (WGS 84):	<input type="text" value="-120.65282193"/>
East (NAD 83 HARN):	<input type="text" value="1,602,823.2"/>
North (NAD 83 HARN):	<input type="text" value="887,580.5"/>

### Waterbody

Stream:	<input type="text" value="Beaver Cr"/>
Tributary To:	<input type="text" value="Wenatchee R"/>
WRIA:	<input type="text" value="45.0751"/>
River Mile:	<input type="text" value="-999.99"/>
Fish Use Potential:	<input type="text" value="Yes"/>
FUP Criteria:	<input type="text" value="Biological"/>

### General Location

Road Name:	<input type="text" value="iveway; Chiwawa Loop R"/>
Mile Post:	<input type="text" value="-999.99"/>
County:	<input type="text" value="Chelan"/>
WDFW Region:	<input type="text" value="2"/>

### Owner

Type:	<input type="text" value="Private"/>
Name:	<input type="text" value="Cramm"/>

### PI Species

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

Mountain Springs Resort
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### Site Comments

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11/18/2021

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# WDFW Fish Passage and Diversion Screening Inventory Database

## Level A Culvert Assessment Report

Site ID: <b>040016</b>	Stream: <b>Beaver Cr</b>	WRIA: <b>45.0751</b>	
Latitude: <b>47.766919723</b>	Tributary To: <b>Wenatchee R</b>	Fish Use Potential: <b>Yes</b>	
Longitude: <b>-120.65282193</b>			

Data Source:	Cascade Columbia Fisheries Enhancement Group
Field Crew:	HS
Review Date:	12/7/2017

Culvert Details							Level A Parameters						
ID	Shape	Material	Span	Rise	Length	WDIC	Apron	WSDrop	Location	Countersunk	Backwater	Slope (%)	Sediment
1.1	SQSH	CST	1.43	0.91	10.10	0.20	NO	0.00		Yes	No	-0.52	

All dimensions in meters

<b>Channel Description</b>	
Toe Width (m):	<input type="text" value="2.7"/>
Average Width (m):	<input type="text" value="3.70"/>
Culvert/Stream Width Ratio:	<input type="text" value="0.39"/>
<b>Plunge Pool</b>	
Length (m):	<input type="text" value="0.00"/>
Max Depth (m):	<input type="text" value="-99.99"/>
OHW Width (m):	<input type="text" value="-999.99"/>
<b>Road</b>	
Fill Depth (m):	<input type="text" value="2.00"/>



<b>Assessment Results</b>			
Tidal Influence:	<input type="text"/>	Tidegate Present:	<input type="text" value="No"/>
Barrier:	<input type="text" value="Yes"/>	Passability (%):	<input type="text" value="67"/>
Reason:	<input type="text" value="Velocity"/>	Fishway Present:	<input type="text" value="No"/>
		Method:	<input type="text" value="Level B"/>
		Recheck:	<input type="text"/>

<b>Comments</b>
[LvlB-Barrett,12/12/2017,FishXing. Depth Crit N/A. Qfp = 0.77 cms]

<b>Potential Habitat Gain</b>					
Survey Type:	<input type="text"/>	Spawning (sq m):	<input type="text"/>	Length (m):	<input type="text"/>
Significant Reach:	<input type="text" value="Yes"/>	Rearing (sq m):	<input type="text"/>	<b>PI Total</b>	<input type="text"/>

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# WDFW Fish Passage and Diversion Screening Inventory Database

## Level B Culvert Assessment Report

Site ID:

### Reference Point

Elevation (m):  Location:

### Drainage Basin

Basin Area (sq mi):  Basin Precipitation (in):

### Culvert Elevations

Culvert ID	Corrugation	USIE (m)	USCBE (m)	DSIE (m)	DSCBE (m)	Sediment
<input type="text" value="1.1"/>	<input type="text" value="1" x3"=""/>	<input type="text" value="99.02"/>	<input type="text" value="99.27"/>	<input type="text" value="99.05"/>	<input type="text" value="99.32"/>	<input type="text"/>

### Downstream Control

X-Section							
Station	Top LB	Toe LB	Bed 1	Bed 2	Bed 3	Toe RB	Top RB
Distance (m)	<input type="text" value="0.00"/>	<input type="text" value="1.80"/>	<input type="text" value="3.00"/>	<input type="text" value="3.50"/>	<input type="text" value="4.40"/>	<input type="text" value="5.30"/>	<input type="text" value="6.20"/>
Elevation (m)	<input type="text" value="100.55"/>	<input type="text" value="99.39"/>	<input type="text" value="99.31"/>	<input type="text" value="99.29"/>	<input type="text" value="99.50"/>	<input type="text" value="99.41"/>	<input type="text" value="100.02"/>
Substrate	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Downstream Control Water Surface Elevation (m):

Downstream Control OHW Surface Elevation (m):

### Downstream of Control

Water Surface Elevation (m):  Channel Dominant Substrate:

Distance Downstream (m):

### Results

Velocity (m/sec):  Depth (m):

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