

**Barrier Evaluation Form - Multiple Culverts at Crossing**

**Location Information**

Project Name: <b>Kristoferson Creek Fish Passage Barrier Correction</b>		IAC/SRFB Project #: 14-1074	Date of Visit: <b>06/01/2007</b>
GPS Location: Datum - WGS84; Format - decimal degrees		Latitude: <b>48.2057</b>	Longitude: <b>-122.4758</b>
¼ Section: <b>NW</b>	Section: <b>06</b>	Township: <b>31N</b>	Range: <b>3</b> <input checked="" type="checkbox"/> East <input type="checkbox"/> West
County: <b>Island</b>		Parcel #: <b>R33106-370-1850</b>	
Stream Name: <b>Kristoferson Creek</b>		WRIA #: <b>06</b>	Stream #:
Tributary To: <b>Triangle Cove, Port Susan</b>			
Driving Directions: SE Camano Drive south to Russell Road. East to Lehman Drive. South to Barnum Point Road. East just over 0.1 mile to creek mouth.			

**Landowner Information**

Landowner Name: <b>Island County</b>		Mailing Address: <b>PO Box 5000</b>	
City: <b>Coupeville</b>	State: <b>WA</b>	Zip: <b>98239</b>	Phone: <b>(360) 678-5111</b>
Cell: ( )	Fax: <b>(360) 678-4550</b>	Email: <b>Melissa Gehrman m.gehrmann@co.island.wa</b>	
Landowner Agent: <b>Same as above</b>		Mailing Address:	
City:	State:	Zip:	Phone: ( )
Cell: ( )	Fax: ( )	Email:	

**Evaluator Information**

Evaluator Name: <b>Kelly Cahill, PE</b>		Affiliation: <b>Snohomish CD</b>	
Mailing Address: <b>528 91<sup>st</sup> Ave NE Ste A</b>		City: <b>Lake Stevens</b>	State: <b>WA</b> Zip: <b>98258</b>
Phone: <b>(425) 337-7007</b>	Fax: <b>(425) 335-5024</b>	Cell:	Email: <b>kelly@snohomishcd.org</b>

**Barrier Information (measurements in meters)**

Is the stream fish-bearing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Species, if known: <b>Coho, Chum, Chinook</b> , steelhead, cutthroat	
Fish-bearing criteria: <input checked="" type="checkbox"/> Fish Observation <input type="checkbox"/> Stream Type <input type="checkbox"/> SSASI/Stream Catalog <input type="checkbox"/> Physical Criteria Other: <b>Report - Beamer et al 2013</b>			
Will this culvert be entered into the WDFW-FPDSI database? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, Site ID #:			Culvert 1 of 4
Shape: <b>Round</b>	Material: <b>PCC</b>	Apron: <input checked="" type="checkbox"/> None <input type="checkbox"/> Upstream <input type="checkbox"/> Downstream <input type="checkbox"/> Both	Span/Diam: <b>1</b>

Rise: <b>.6 m</b>	Length: <b>10.95 m</b>	Water depth in culvert: <b>0.1 m</b>	Water Surface Drop(WSD): <b>0 m</b>
Drop Location: <input type="checkbox"/> Outlet <input type="checkbox"/> Inlet <input type="checkbox"/> Inside	Countersunk: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Culvert Slope(%): <b>1.1</b>	
Bankfull width (upstream of culvert): <b>1.6 m</b>	Culvert span/bankfull width ratio: <b>1.7</b> (Add all spans, divide by bankfull width)		
Plunge pool: Length to tailout: <b>None</b> Max depth:	OHW width:	Road fill at DS end: <b>0.65 m</b>	Road width: <b>6.7m</b>
Fishway Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown (if yes, describe in Comments)	Tidegate Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		
Is this culvert a fish passage barrier? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Level B needed			
Problem with culvert: <input type="checkbox"/> WSD <input checked="" type="checkbox"/> Slope <input checked="" type="checkbox"/> Velocity <input checked="" type="checkbox"/> Depth	Percent passability: <input type="checkbox"/> 0% <input checked="" type="checkbox"/> 33% <input type="checkbox"/> 67% <input type="checkbox"/> 100%		
Habitat Quality: <input type="checkbox"/> Excellent <input checked="" type="checkbox"/> Good <input type="checkbox"/> Poor <input type="checkbox"/> Unknown			
Comments: Data from Adopt-A-Stream culvert analysis (2007) used as a source for much of this data, as well as a site visit and survey by Snohomish Conservation District staff (2008). This assessmesnt was revised in May 2014 (new data collection and revise form).			
<b>Attachments</b>			
<input type="checkbox"/> Photos <input type="checkbox"/> Level A Assessment <input type="checkbox"/> Site Map <input type="checkbox"/> Other <input type="checkbox"/> Additional Comments			