

Family Forest Fish Passage Program: Barrier Evaluation Form - Single Culvert at Crossing

Location Information

Project Name: Becerra/Skagit Land Trust		RCO/SRFB Project #:	County: Skagit
Road: Private		Latitude: 48.50618	Longitude: -122.04058
Township: 35	Range: 6 <input checked="" type="checkbox"/> East <input type="checkbox"/> West	Section: 21	¼ Section: SE
Stream Name: Day Cr SI		Tributary To: Day Cr; Skagit R	WRIA #: 3

Driving Directions: Take the South Skagit Hwy off of Hwy 9. Go about 15 miles of the South Skagit Hwy past Day Creek. Turn East (Left) at the first turn after Day Creek on S Lyman Ferry Road. Go to 32455 S Lyman Ferry RD. It is a gated entrance into the neighbor's private property which has an access easement to the back properties. There is a gate with multiple No Trespassing signs. Pull into the gate and park off to the Left. From there access is by foot through the road/trail into the properties.

Landowner Information

Landowner: Tony Becerra		Mailing Address: 32455 Lyman Ferry Rd	
City: Mt Vernon	State: WA	Zip: 98284	Phone: (360)
Cell: ()	Fax: ()	Email:	
Landowner Agent: Michael Kirshenbaum - Skagit LT		Phone: (360) 428-7878	
Cell: ()	Fax: ()	Email:	

Evaluator Information

Evaluator Name: Laura Till		Affiliation: WDFW	
Mailing Address: 600 Capitol Way N		City: Olympia	State: WA Zip: 98501
Phone: 360-902-2352	Fax: 360-902-2946	Cell:	Email: laura.till@dfw.wa.gov

Barrier Information (measurements in meters)

Is the stream fish-bearing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Species: CK/PK/CO/SH/SCT	Date of Visit: 04/03/2014
Fish-bearing criteria: <input checked="" type="checkbox"/> Fish Observation <input type="checkbox"/> Mapped <input type="checkbox"/> Physical <input type="checkbox"/> Other:			
Stream flow: <input checked="" type="checkbox"/> Perennial <input type="checkbox"/> Intermittent <input type="checkbox"/> Unknown Source of information: Upstream just pools			
Will you enter this culvert into the WDFW-FPDSI database? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Site ID #: DY4			
Shape: SQSH	Material: CST	Apron: <input checked="" type="checkbox"/> None <input type="checkbox"/> US <input type="checkbox"/> DS <input type="checkbox"/> Both	Span: 2.1 Rise: 1.53
Length: 9.14	Water Depth in Culvert: .33	Backwatered: no	Water Surface Drop: 0
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"/> Unknown	Culvert Slope(%): 0.43
Bankfull Width (outside influence of culvert): 15.0		Culvert Span/Bankfull Width Ratio: 0.14	
Plunge Pool: Length (culvert to tail-out): 15 OHW width: 10 Max depth: 0.41			Road fill DS: .3
Fishway Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (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 <input checked="" type="checkbox"/> Professional Judgment			
Problem with culvert: <input type="checkbox"/> WS drop <input type="checkbox"/> Slope <input checked="" type="checkbox"/> Velocity <input 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 (Describe crossing condition, fish observations, habitat quality etc): Inlets of smaller overflow pipes are buried, outlets are over half full of sediment, inlet of sqsh pipe is covered with debris. Water flows over road frequently. Stream flows east to west. Beyond culvert is a fishing cabin, 1 or 2 private parcels. In channel migration zone. Barrier due to undersized culvert and buried overflow culverts as indicated by frequent over topping.

Email form, photos and site map to: Laura Till, WDFW, FFFPP Laura.Till@dfw.wa.gov

Or mail to: Habitat Management, Attn. Laura Till, WDFW, 600 Capitol Way N. Olympia WA 98501-1091

WDFW Fish Passage and Diversion Screening Inventory Database

Site Description Report

Site ID

Project

Geographic Coordinates

Latitude (WGS 84):	<input type="text" value="48.50614"/>
Longitude (WGS 84):	<input type="text" value="-122.04127"/>
East (NAD 83 HARN)	<input type="text" value="1,266,608.1"/>
North (NAD 83 HARN)	<input type="text" value="1,160,946.4"/>

Waterbody

Stream:	<input type="text" value="unnamed"/>
Tributary To:	<input type="text" value="Day Cr Sl"/>
WRIA:	<input type="text" value="03.0298X"/>
River Mile:	<input type="text" value="-999.99"/>
Fish Use Potential:	<input type="text" value="Yes"/>
FUP Criteria:	<input type="text" value="Physical"/>

General Location

Road Name:	<input type="text"/>
Mile Post:	<input type="text" value="-999.99"/>
County:	<input type="text" value="Skagit"/>
WDFW Region:	<input type="text" value="4"/>

Owner

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

PI Species

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

Private Road crossing off of South Lyman Ferry Road.

Site Comments

Becerra

WDFW Fish Passage and Diversion Screening Inventory Database

Level A Culvert Assessment Report

Site ID: DY4	Stream: unnamed	WRIA: 03.0298X	
Latitude: 48.50614	Tributary To: Day Cr Sl	Fish Use Potential: Yes	
Longitude: -122.04127			

Data Source	Washington Department of Fish and Wildlife
Field Crew:	Till
Review Date:	4/3/2014

Culvert Details						Level A Parameters						
ID	Shape	Material	Span	Rise	Length	WDIC	Apron	WSDrop	Location	Countersunk	Backwater	Slope (%)
1.3	SQSH	CST	1.00	0.70	9.50	-99.99	NO	0.00		Yes	No	-99.99
2.3	RND	CST	0.80	0.80	9.50	-99.99	NO	0.15		No	No	-99.99
3.3	SQSH	CST	2.10	1.50	9.10	0.33	NO	0.00		No	No	0.43

All dimensions in meters

Channel Description	
Toe Width (m):	4
Average Width (m):	7.00
Culvert/Stream Width Ratio:	0.56
Plunge Pool	
Length (m):	15.00
Max Depth (m):	0.41
OHW Width (m):	10.00
Road	
Fill Depth (m):	0.30



Assessment Results			
Barrier:	Yes	Passability (%):	33
Reason:	Failed	Fishway Present:	No
		Method:	Professional Judgment
		Recheck:	

Comments
Inlets of smaller pipes are buried outlets are over half full of sediment, inlet of sqsh pipe is covered with debris. Water flows over road frequently. Stream flows east to west.

Potential Habitat Gain			
Survey Type:		Spawning (sq m):	
Significant Reach:	Yes	Rearing (sq m):	
		Length (m):	
		PI Total	