

## Appendix - Phase 1 Fish Passage Assessment Data and Photos

Location and Stream Data		Crossing Characteristics	
Date	2022-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	123392	Diameter (m)	1.15
External ID	–	Length (m)	12
Crew	MW, TP, DN, AN	Embedded	Yes
UTM Zone	9	Depth Embedded (m)	0.05
Easting	638553.4	Resemble Channel	No
Northing	6054802	Backwatered	Yes
Stream	Lemieux Creek	Percent Backwatered	100
Road	Quick School Rd	Fill Depth (m)	0.75
Road Tenure	Moti	Outlet Drop (m)	0
Channel Width (m)	3.6	Outlet Pool Depth (m)	0.5
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	1
Habitat Value	Low	Valley Fill	Deep Fill
Final score	16	Barrier Result	Potential
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	15

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: Adjacent landowner reports culvert was replaced last year. Some dewatering downstream of outlet pool. Passable crossing, deep outlet pool but the stream deters after the pool. 13:14			
Photos: PSCIS ID 123392. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
 A photograph of a dirt road curving through a forested area under a clear blue sky.	2022-08-31 13:09:11 9U 638558 6054799	 A photograph looking down a dark, cylindrical metal culvert pipe. Water flows through it, appearing brownish.	2022-08-31 13:19:03 9U 638556 6054784
 A photograph of a shallow, rocky stream bed with fallen logs and dense green vegetation on either side.	2022-08-31 13:17:54 9U 638563 6054807	 A photograph of a wider stream section with turbulent water and debris. A black barrel lies across the water.	2022-08-31 13:20:31 9U 638553 6054798
 A photograph of a narrow, rocky stream bed with dense green foliage and bushes lining the banks.	2022-08-31 13:18:04 9U 638562 6054807	 A photograph of a rocky, mossy stream bed with dense green foliage and bushes lining the banks.	2022-08-31 13:20:41 9U 638553 6054794

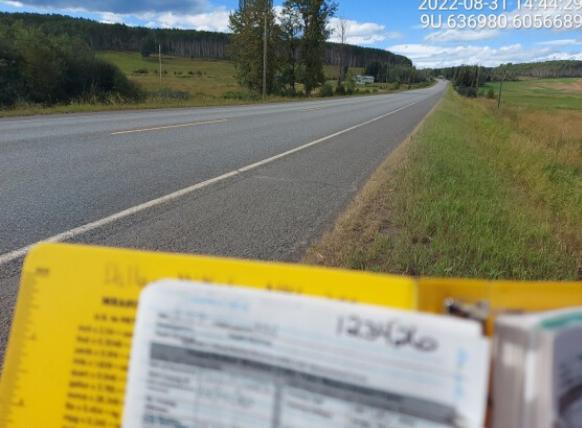
Location and Stream Data		Crossing Characteristics	
Date	2022-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	123393	Diameter (m)	1.3
External ID	–	Length (m)	21
Crew	MW, TP, DN, AN	Embedded	No
UTM Zone	9	Depth Embedded (m)	–
Easting	638516	Resemble Channel	No
Northing	6054722	Backwatered	Yes
Stream	Lemieux creek	Percent Backwatered	90
Road	Highway 16	Fill Depth (m)	1.5
Road Tenure	Moti	Outlet Drop (m)	0
Channel Width (m)	2.8	Outlet Pool Depth (m)	0.9
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Low	Valley Fill	Deep Fill
Final score	24	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	15

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: Very deep outlet pool. Wetland downstream, beaver activity upstream. Almost fully backwatered, very little flow through the culvert. 13:32			
Photos: PSCIS ID 123393. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
 2022-08-31 13:46:47 9U 638516 6054727		 2022-08-31 13:32:14 9U 638515 6054735	
 2022-08-31 13:32:28 9U 638517 6054736		 2022-08-31 13:40:01 9U 638491 6054719	
 2022-08-31 13:37:42 9U 638517 6054735		 2022-08-31 13:39:57 9U 638490 6054722	

Location and Stream Data		Crossing Characteristics	
Date	2022-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	123426	Diameter (m)	1.4
External ID	–	Length (m)	22
Crew	MW, TP, DN, AN	Embedded	Yes
UTM Zone	9	Depth Embedded (m)	0.2
Easting	636971	Resemble Channel	Yes
Northing	6056680	Backwatered	No
Stream	Robin Creek	Percent Backwatered	–
Road	Highway 16	Fill Depth (m)	2.2
Road Tenure	Moti	Outlet Drop (m)	0
Channel Width (m)	2.3	Outlet Pool Depth (m)	0.05
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	No	Slope (%)	1.5
Habitat Value	High	Valley Fill	Deep Fill
Final score	19	Barrier Result	Potential
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	15

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: Embedded culvert with high flow. 14:37			
Photos: PSCIS ID 123426. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
	2022-08-31 14:44:29 9U 636980 6056689		2022-08-31 14:30:54 9U 636970 6056675
	2022-08-31 14:38:04 9U 636983 6056695		2022-08-31 14:31:06 9U 636964 6056671
	2022-08-31 14:37:39 9U 636987 6056697		2022-08-31 14:31:16 9U 636994 6056672

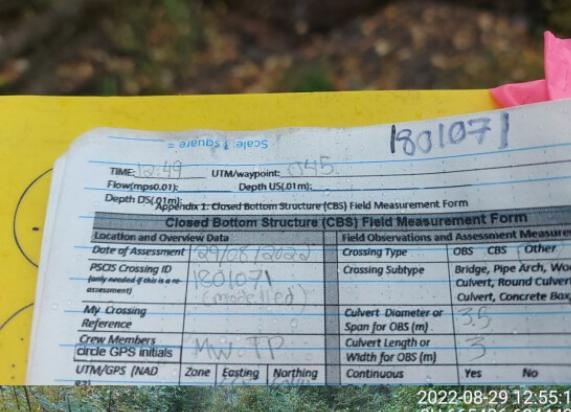
Location and Stream Data		.	Crossing Characteristics –	
Date	2022-09-13	Crossing Sub Type	Bridge	
PSCIS ID	123570	Diameter (m)	4.5	
External ID	–	Length (m)	19	
Crew	TP, VJ	Embedded	–	
UTM Zone	9	Depth Embedded (m)	–	
Easting	607513.9	Resemble Channel	–	
Northing	6067563	Backwatered	–	
Stream	Miller Creek	Percent Backwatered	–	
Road	McDonnell FSR	Fill Depth (m)	–	
Road Tenure	MoF 7552	Outlet Drop (m)	–	
Channel Width (m)	–	Outlet Pool Depth (m)	–	
Stream Slope (%)	–	Inlet Drop	–	
Beaver Activity	No	Slope (%)	–	
Habitat Value	–	Valley Fill	–	
Final score	3	Barrier Result	Passable	
Fix type	–	Fix Span / Diameter	–	

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: New bridge, well built. Room on both banks for freshet melt. 16:57:00			
Photos: PSCIS ID 197657. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
	9U 665531 6044121 2022-08-29 10:50:24		9U 665531 6044121 2022-08-29 10:53:09
	9LL 665523 6044128 2022-08-29 10:49:20		9U 665529 6044112 2022-08-29 10:58:54
	9U 665531 6044121 2022-08-29 10:51:42		9U 665528 6044101 2022-08-29 10:59:17

Location and Stream Data		Crossing Characteristics –	
Date	2022-08-29	Crossing Sub Type	Oval Culvert
PSCIS ID	197657	Diameter (m)	2.3
External ID	–	Length (m)	18
Crew	AI, TP	Embedded	Yes
UTM Zone	9	Depth Embedded (m)	1
Easting	665525.1	Resemble Channel	Yes
Northing	6044126	Backwatered	No
Stream	Perow Creek	Percent Backwatered	–
Road	Highway 16	Fill Depth (m)	0.5
Road Tenure	Moti	Outlet Drop (m)	0
Channel Width (m)	4.6	Outlet Pool Depth (m)	0
Stream Slope (%)	3	Inlet Drop	No
Beaver Activity	No	Slope (%)	1.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	14	Barrier Result	Passable
Fix type	–	Fix Span / Diameter	–

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-																																								
<p>Comments: Stream was dry at the time of survey but had water last year during extremely dry ear. Culvert appears passable for all life stages. There is a private land residential development upstream that's impacting the stream. The channel is constricted upstream and has large chunks of riprap throughout. 10:45</p>																																											
<p>Photos: PSCIS ID 198109. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.</p>																																											
 <p>2022-08-29 12:55:10 9U 665426 6044499</p>		 <p>2022-08-29 12:48:35 9U 665429 6044493</p>																																									
 <p>Scal: 1:8 Square = 1045</p> <p>TIME: 10:45 UTM/waypoint: 9U 665426 6044499</p> <p>Flow(m3ps): 0.01 Depth(DS): 0.1m</p> <p>Appendix 1: Closed Bottom Structure (CBS) Field Measurement Form</p> <p><b>Closed Bottom Structure (CBS) Field Measurement Form</b></p> <table border="1"> <thead> <tr> <th colspan="2">Location and Overview Data</th> <th colspan="3">Field Observations and Assessment Measurements</th> </tr> </thead> <tbody> <tr> <td>Date of Assessment</td> <td>198109</td> <td>Crossing Type</td> <td>OBS</td> <td>CBS</td> </tr> <tr> <td>PSCIS Crossing ID</td> <td>198109</td> <td>Crossing Subtype</td> <td colspan="2">Bridge, Pipe Arch, Wood Culvert, Round Culvert, Culvert, Concrete Box, Other</td> </tr> <tr> <td>Any needed if this is a re-assessment</td> <td>198109</td> <td>Culvert Diameter or Span for OBS (m)</td> <td>3.5</td> <td></td> </tr> <tr> <td>My Crossing Reference</td> <td>MW-TP</td> <td>Culvert Length or Width for OBS (m)</td> <td>3</td> <td></td> </tr> <tr> <td>Crew Members</td> <td></td> <td>Continuous</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>Circle GPS initials</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>UTM/GPS (NAD</td> <td>Zone</td> <td>Easting</td> <td>Northing</td> <td></td> </tr> </tbody> </table>	Location and Overview Data		Field Observations and Assessment Measurements			Date of Assessment	198109	Crossing Type	OBS	CBS	PSCIS Crossing ID	198109	Crossing Subtype	Bridge, Pipe Arch, Wood Culvert, Round Culvert, Culvert, Concrete Box, Other		Any needed if this is a re-assessment	198109	Culvert Diameter or Span for OBS (m)	3.5		My Crossing Reference	MW-TP	Culvert Length or Width for OBS (m)	3		Crew Members		Continuous	Yes	No	Circle GPS initials					UTM/GPS (NAD	Zone	Easting	Northing			 <p>2022-08-29 12:55:15 9U 665426 6044499</p>	
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UTM/GPS (NAD	Zone	Easting	Northing																																								
		 <p>2022-08-29 12:48:35 9U 665430 6044492</p>																																									
 <p>2022-08-29 12:55:46 9U 665427 6044498</p>		 <p>2022-08-29 12:48:43 9U 665430 6044493</p>																																									

Location and Stream Data		Crossing Characteristics –	
Date	2022-08-29	Crossing Sub Type	Ford
PSCIS ID	198109	Diameter (m)	–
External ID	1801071	Length (m)	–
Crew	MW, TP	Embedded	–
UTM Zone	9	Depth Embedded (m)	–
Easting	665432	Resemble Channel	–
Northing	6044495	Backwatered	–
Stream	Perow Creek	Percent Backwatered	–
Road	Transmission Line Fill Depth (m)		–
Road Tenure	Hydro	Outlet Drop (m)	–
Channel Width (m)	–	Outlet Pool Depth (m)	–
Stream Slope (%)	–	Inlet Drop	–
Beaver Activity	No	Slope (%)	–
Habitat Value	–	Valley Fill	–
Final score	0	Barrier Result	Unknown
Fix type	–	Fix Span / Diameter	–

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics
Comments: No crossing. Transmission line. 12:49		
Photos: PSCIS ID 198110. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.		
 <p>Date &amp; Time: Tue Aug 30, 2022 12:09:52 PDT  Position: N 643357 6034875 (+4.0m)  Altitude: 527m (+3.0m)  Datum: WGS-84  Azimuth/Bearing: 359° N02W 6364mils True (+14°)  Elevation Angle: -11.8°  Horizon Angle: +0.5°  Zoom: 10x  bridge road  fish barrier assessment</p>		 <p>2022-08-30 12:01:04  9U 645356 6034872</p>
 <p>Date &amp; Time: Tue Aug 30, 2022 12:09:52 PDT  Position: N 643352 6034875 (+4.0m)  Altitude: 525m (+4.0m)  Datum: WGS-84  Azimuth/Bearing: 271° N89W 4818mils True (+14°)  Elevation Angle: -15.1°  Horizon Angle: +0.0°  Zoom: 10x  bridge outlet  fish barrier assessment</p>		 <p>Date &amp; Time: Tue Aug 30, 2022 12:10:41 PDT  Position: N 643353 6034875 (+4.0m)  Altitude: 524m (+4.0m)  Datum: WGS-84  Azimuth/Bearing: 020° N20E 3085mils True (+12°)  Elevation Angle: -13.4°  Horizon Angle: +0.7°  Zoom: 10x  bridge outlet  fish barrier assessment</p>
 <p>Date &amp; Time: Tue Aug 30, 2022 12:09:01 PDT  Position: N 643358 6034875 (+5.0m)  Altitude: 526m (+5.0m)  Datum: WGS-84  Azimuth/Bearing: 054° N54E 0750mils True (+14°)  Elevation Angle: -10.4°  Horizon Angle: +0.0°  Zoom: 10x  bridge upstream  fish barrier assessment</p>		 <p>Date &amp; Time: Tue Aug 30, 2022 12:09:13 PDT  Position: N 643359 6034875 (+5.0m)  Altitude: 526m (+5.0m)  Datum: WGS-84  Azimuth/Bearing: 183° S05W 3289mils True (+14°)  Elevation Angle: -12.0°  Horizon Angle: +0.6°  Zoom: 10x  bridge downstream  fish barrier assessment</p>

Location and Stream Data		.	Crossing Characteristics –
Date	2022-08-30	Crossing Sub Type	Bridge
PSCIS ID	198110	Diameter (m)	6.1
External ID	2022083050	Length (m)	4
Crew	MW, TP, VJ	Embedded	–
UTM Zone	9	Depth Embedded (m)	–
Easting	645355	Resemble Channel	–
Northing	6034873	Backwatered	–
Stream	Stock Creek	Percent Backwatered	–
Road	Private	Fill Depth (m)	–
Road Tenure	Private	Outlet Drop (m)	–
Channel Width (m)	–	Outlet Pool Depth (m)	–
Stream Slope (%)	–	Inlet Drop	–
Beaver Activity	No	Slope (%)	–
Habitat Value	–	Valley Fill	–
Final score	0	Barrier Result	Passable
Fix type	–	Fix Span / Diameter	–

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: Private property, farm bridge, concrete slabs on both banks upstream of culvert. 12:02			
Photos: PSCIS ID 198111. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
 A yellow rectangular card with a pink border and white text. The text includes "100 1862 746" and "PSCIS ID 198111".	2022-08-31 17:38:29 9U 634168 6053352	 A view of a stream flowing through a rocky bed. A large log lies across the water. The photo is taken from a slightly elevated position.	2022-08-31 17:38:54 9U 634173 6053337
 A view of the stream outlet, showing a rocky bed and fallen logs. The water is shallow and turbulent.	2022-08-31 17:39:06 9U 634172 6053342	 A view looking downstream at the stream bed, which is rocky and filled with fallen branches.	2022-08-31 17:39:00 9U 634173 6053337
 A view looking upstream at the stream bed, showing more rocks and fallen logs.	2022-08-31 17:39:10 9U 634173 6053344	 A view looking upstream at the inlet, showing the stream entering from the right bank.	2022-08-31 17:38:49 9U 634175 6053329

Location and Stream Data		Crossing Characteristics –	
Date	2022-08-31	Crossing Sub Type	Ford
PSCIS ID	198111	Diameter (m)	–
External ID	1802798	Length (m)	–
Crew	MW	Embedded	–
UTM Zone	9	Depth Embedded (m)	–
Easting	634181	Resemble Channel	–
Northing	6053316	Backwatered	–
Stream	Coffin Creek	Percent Backwatered	–
Road	Spur	Fill Depth (m)	–
Road Tenure	Unknown	Outlet Drop (m)	–
Channel Width (m)	–	Outlet Pool Depth (m)	–
Stream Slope (%)	–	Inlet Drop	–
Beaver Activity	No	Slope (%)	–
Habitat Value	–	Valley Fill	–
Final score	0	Barrier Result	Unknown
Fix type	–	Fix Span / Diameter	–

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: Walked in. No crossing present. Road is more like a hiking trail than a road. 17:34			
Photos: PSCIS ID 198112. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
			
			
			

Location and Stream Data		Crossing Characteristics –	
Date	2022-08-30	Crossing Sub Type	Concrete Box
PSCIS ID	198112	Diameter (m)	2.5
External ID	1805507	Length (m)	14
Crew	AI, DN, AN	Embedded	Yes
UTM Zone	9	Depth Embedded (m)	0.4
Easting	645034	Resemble Channel	Yes
Northing	6033148	Backwatered	Yes
Stream	Stock Creek	Percent Backwatered	100
Road	CN Railway	Fill Depth (m)	0.5
Road Tenure	CN Rail	Outlet Drop (m)	0
Channel Width (m)	2.5	Outlet Pool Depth (m)	0.2
Stream Slope (%)	0	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	0
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	8	Barrier Result	Passable
Fix type	–	Fix Span / Diameter	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Fully backwatered and embedded concrete box structure on the Railway. Not a fish passage issue at this time. 13:37			
Photos: PSCIS ID 198113. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
 9U 665596 6052291 2022-08-29 15:53:37	 9U 665596 6052291 2022-08-29 15:55:01	 9U 665596 6052291 2022-08-29 15:54:26	 9U 665596 6052291 2022-08-29 15:54:44
 9U 665596 6052291 2022-08-29 15:54:07	 9U 665596 6052291 2022-08-29 15:54:04		

Location and Stream Data		Crossing Characteristics –	
Date	2022-08-29	Crossing Sub Type	Ford
PSCIS ID	198113	Diameter (m)	–
External ID	1802069	Length (m)	–
Crew	AI, MW, VJ, TP	Embedded	–
UTM Zone	9	Depth Embedded (m)	–
Easting	665598	Resemble Channel	–
Northing	6052306	Backwatered	–
Stream	Johnny David Creek	Percent Backwatered	–
Road	Spur	Fill Depth (m)	–
Road Tenure	Unknown	Outlet Drop (m)	–
Channel Width (m)	–	Outlet Pool Depth (m)	–
Stream Slope (%)	–	Inlet Drop	–
Beaver Activity	Yes	Slope (%)	–
Habitat Value	–	Valley Fill	–
Final score	0	Barrier Result	Unknown
Fix type	–	Fix Span / Diameter	–

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: Beaver dam in historic road location. 15:47			
Photos: PSCIS ID 198114. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
			
			
			

Location and Stream Data		.	Crossing Characteristics -	
Date	2022-08-30	Crossing Sub Type	Bridge	
PSCIS ID	198114	Diameter (m)	12	
External ID	2022083001	Length (m)	5	
Crew	AI, DN, AN	Embedded	-	
UTM Zone	9	Depth Embedded (m)	-	
Easting	645564.2	Resemble Channel	-	
Northing	6035219	Backwatered	-	
Stream	Stock Creek	Percent Backwatered	-	
Road	Private	Fill Depth (m)	-	
Road Tenure	Private	Outlet Drop (m)	-	
Channel Width (m)	-	Outlet Pool Depth (m)	-	
Stream Slope (%)	-	Inlet Drop	-	
Beaver Activity	No	Slope (%)	-	
Habitat Value	-	Valley Fill	-	
Final score	0	Barrier Result	Passable	
Fix type	-	Fix Span / Diameter	-	

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics	-
Comments: Bridge is old CN railway metal structure and there is extensive concrete slabs in the stream used as rip rap. Private bridge within farmland. 12:20			
Photos: PSCIS ID 198115. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
 9U 590196 6122870 2022-09-10 15:59:52  2022091001	 9U 590207 6122871 2022-09-10 16:02:35	 9U 590207 6122857 2022-09-10 16:08:54	 9U 590207 6122870 2022-09-10 16:02:05
 9U 590220 6122847 2022-09-10 16:09:33	 9U 590207 6122872 2022-09-10 16:02:26		

Location and Stream Data		Crossing Characteristics –	
Date	2022-09-10	Crossing Sub Type	Round Culvert
PSCIS ID	198115	Diameter (m)	1.25
External ID	2022091001	Length (m)	22
Crew	AI	Embedded	No
UTM Zone	9	Depth Embedded (m)	–
Easting	590210.7	Resemble Channel	No
Northing	6122882	Backwatered	No
Stream	Tributary to Waterfall Creek	Percent Backwatered	–
Road	13 Avenue	Fill Depth (m)	1.5
Road Tenure	New Hazelton	Outlet Drop (m)	0
Channel Width (m)	2.8	Outlet Pool Depth (m)	0.4
Stream Slope (%)	3	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	1
Habitat Value	High	Valley Fill	Deep Fill
Final score	24	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

Location and Stream Data	•	Crossing Characteristics	-
Comments: This is waterfall Creek. It does not show up in the freshwater atlas as here, however this is the main flow. Numerous fry and parr observed upstream of the crossing. No paper card for site. 16:03			
Photos: PSCIS ID 198116. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
 9U 590245 6123187 2022-09-10 16:32:07	 9U 590233 6123179 2022-09-10 16:33:31	 9U 590230 6123144 2022-09-10 16:37:06	 9U 590238 6123179 2022-09-10 16:33:24
 9U 590289 6123130 2022-09-10 16:44:46	 9U 590233 6123179 2022-09-10 16:33:16		

Location and Stream Data		Crossing Characteristics –	
Date	2022-09-10	Crossing Sub Type	Round Culvert
PSCIS ID	198116	Diameter (m)	1.5
External ID	2022091002	Length (m)	27
Crew	AI	Embedded	No
UTM Zone	9	Depth Embedded (m)	–
Easting	590233.2	Resemble Channel	No
Northing	6123183	Backwatered	No
Stream	Tributary to Waterfall Creek	Percent Backwatered	–
Road	Highway 16	Fill Depth (m)	1
Road Tenure	MoTi	Outlet Drop (m)	0
Channel Width (m)	3.9	Outlet Pool Depth (m)	0.2
Stream Slope (%)	2.5	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	2.5
Habitat Value	High	Valley Fill	Deep Fill
Final score	24	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

Appendix - Phase 1 Fish Passage Ass...

Location and Stream Data	•	Crossing Characteristics
Comments: Stream is not mapped correctly in the freshwater atlas. This is waterfall creek. Great flow, patches of gravel suitable for coho spawning. Right within the town of New Hazelton. Trap and truck coho operation conducted by Chicago Creek Restoration Society with spawners transplanted just downstream of the railway. 16:34		
Photos: PSCIS ID 198117. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.		
 9U 590194 6123258 2022-09-10 16:53:56		 9U 590219 6123275 2022-09-10 16:55:09
 9U 590203 6123260 2022-09-10 16:58:56		 9U 590234 6123270 2022-09-10 16:54:58
 9U 590211 6123232 2022-09-10 17:03:36		 9U 590204 6123271 2022-09-10 16:55:04

Location and Stream Data		Crossing Characteristics –	
Date	2022-09-10	Crossing Sub Type	Round Culvert
PSCIS ID	198117	Diameter (m)	1.8
External ID	2022091003	Length (m)	19
Crew	AI	Embedded	No
UTM Zone	9	Depth Embedded (m)	–
Easting	590200.9	Resemble Channel	No
Northing	6123262	Backwatered	No
Stream	Tributary to Waterfall Creek	Percent Backwatered	–
Road	9th Avenue	Fill Depth (m)	1
Road Tenure	New Hazelton	Outlet Drop (m)	0.2
Channel Width (m)	2.6	Outlet Pool Depth (m)	0.1
Stream Slope (%)	1	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	1
Habitat Value	High	Valley Fill	Deep Fill
Final score	29	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

Location and Stream Data	•	Crossing Characteristics	-
Comments: Two 0.9 pipe added together for width. Left pipe has significant blockage 1/3 of the way through the pipe. Right Bank of the stream has an empty lot with only grass and invasive weed riparian. 16:52			
Photos: PSCIS ID 123392. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.			
 2022-08-31 13:09:11 9U 638558 6054799	 2022-08-31 13:19:03 9U 638556 6054784	 2022-08-31 13:17:54 9U 638563 6054807	 2022-08-31 13:20:31 9U 638553 6054798
 2022-08-31 13:18:04 9U 638562 6054807	 2022-08-31 13:20:41 9U 638553 6054794		

