

Appendix - Phase 1 Fish Passage Assessment Data and Photos

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6539	Diameter (m)	3.1
External ID	–	Length (m)	16
Crew	AI TS JD BP	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	489924.3	Resemble Channel	No
Northing	6077196	Backwatered	Yes
Stream	Hammett Creek	Percent Backwatered	100
Road	Carp Lake FSR	Fill Depth (m)	0.3
Road Tenure	Canfor R01860	Outlet Drop (m)	0
Channel Width (m)	4.5	Outlet Pool Depth (m)	0.7
Stream Slope (%)	2	Inlet Drop	Yes
Beaver Activity	Yes	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: Public, beaver influenced wet land upstream. Fish observed at outlet. Nice flowing system downstream with pockets of gravel throughout. Two pipes at 1.55 m each. Beaver grate outlet cage dislodged and within stream approximately 5 m downstream of the pipes. 12:35:14			
Photos: PSCIS ID			
 2023-08-30 12:37:12 10U 48993 6077178		 2023-08-30 12:41:04 10U 48993 6077193	
 2023-08-30 12:38:30 10U 489917 6077199		 2023-08-30 12:43:33 10U 489943 6077195	
 2023-08-30 12:38:43 10U 489917 6077199		 2023-08-30 12:49:02 10U 489956 6077204	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6539

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6541	Diameter (m)	1.2
External ID	–	Length (m)	21
Crew	AI JD BP TS	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	487842.4	Resemble Channel	No
Northing	6079435	Backwatered	No
Stream	Hammett Creek	Percent Backwatered	–
Road	Spur	Fill Depth (m)	2
Road Tenure	Canfor R07645	Outlet Drop (m)	0.2
Channel Width (m)	3.8	Outlet Pool Depth (m)	0.7
Stream Slope (%)	2.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	34	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

Location and Stream Data	•	Crossing Characteristics	-
Comments: Dry channel upstream and downstream except for fairly deep outlet pool with fish present. Culvert in poor shape with lots of rust. Road embankment fill failing on downstream side of road with large hole. Nice gravels available for spawning. Although outlet drop appears to be greater than 50 cm, it was actually estimated at 20 cm because the outlet pool has the water below the level of the stream bed on the downstream side. 11:40:56			
Photos: PSCIS ID			
	2023-08-30 11:39:37 10U 487851 6079466		2023-08-30 11:50:37 10U 487854 6079443
	2023-08-30 11:50:26 10U 487854 6079443		2023-08-30 11:50:18 10U 487859 6079426
	2023-08-30 11:55:55 10U 487872 6079451		2023-08-30 12:06:56 10U 487835 6079425
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6541			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6543	Diameter (m)	4
External ID	—	Length (m)	21
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	—
Easting	496138.3	Resemble Channel	No
Northing	6071030	Backwatered	No
Stream	Tributary to Hammett Creek	Percent Backwatered	—
Road	Davie-War FSR	Fill Depth (m)	0.5
Road Tenure	Canfor R01860	Outlet Drop (m)	0.3
Channel Width (m)	4.7	Outlet Pool Depth (m)	1.2
Stream Slope (%)	1	Inlet Drop	Yes
Beaver Activity	Yes	Slope (%)	0.5
Habitat Value	High	Valley Fill	Deep Fill
Final score	26	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

Location and Stream Data	•	Crossing Characteristics	-
Comments: Large system with lots of water. 1.3 m high beaverdam 2 m above inlets. Two pipes at 2.0 m in size each. Beaver cage on west pipe inlet functioning to keep dam away from the actual inlet. Abundant gravel suitable for spawning downstream. Very nice stream and potential good candidate for replacement with a Bridge. 14:25:01			
Photos: PSCIS ID			
 2023-08-30 14:26:00 10U 496135 6071029		 2023-08-30 14:27:08 10U 496120 6071043	
 2023-08-30 14:29:13 10U 496126 6071035		 2023-08-30 14:37:52 10U 496126 6071084	
 2023-08-30 14:26:23 10U 496138 6071026		 2023-08-30 14:41:59 10U 496121 6071064	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6543

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6544	Diameter (m)	0.5
External ID	–	Length (m)	8
Crew	MW MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	506941	Resemble Channel	No
Northing	6075745	Backwatered	Yes
Stream	Tributary to Crooked River	Percent Backwatered	100
Road	Carp Lake FSR	Fill Depth (m)	0.3
Road Tenure	MOF 7731	Outlet Drop (m)	0
Channel Width (m)	2.7	Outlet Pool Depth (m)	0
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Low	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

Location and Stream Data	•	Crossing Characteristics	-
Comments: Beaver activity at inlet side. Wetland upstream. Pipe is very small. Pipe is caved in near the inlet. Dewatered downstream. 09:32:45			
Photos: PSCIS ID			
 			
			
			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6544			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6546	Diameter (m)	0.9
External ID	–	Length (m)	16
Crew	AI BP TS JD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	499191.5	Resemble Channel	No
Northing	6069209	Backwatered	Yes
Stream	Tributary to Weedon Creek	Percent Backwatered	100
Road	Davie-War FSR	Fill Depth (m)	2
Road Tenure	Canfor R01860	Outlet Drop (m)	0
Channel Width (m)	8	Outlet Pool Depth (m)	0.65
Stream Slope (%)	0	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1.8
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	24	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	13

Location and Stream Data	•	Crossing Characteristics	-
<p>Comments: Historic assessment from 2006 may not have measured the lowest elevation pipe. There are three pipes here. The main functioning pipe is 0.9 diameter and its 100% backwatered on the east side of the two larger 1.5 m pipes. Wetland, beaver influenced habitat, both upstream and downstream. Numerous fish (some RB) observed downstream and upstream. 10:03:49</p>			
<p>Photos: PSCIS ID</p>			
 <p>2023-08-30 10:07:47 10U 499231 6069203</p>	 <p>A 6546</p>	 <p>2023-08-30 10:11:18 10U 499222 6069208</p>	
 <p>2023-08-30 10:11:44 10U 499228 6069212</p>	 <p>2023-08-30 10:18:20 10U 499224 6069191</p>		
 <p>2023-08-30 10:08:03 10U 499220 6069205</p>		 <p>2023-08-30 10:08:15 10U 499220 6069205</p>	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6546

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6621	Diameter (m)	4.1
External ID	–	Length (m)	28
Crew	MW MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	500201.1	Resemble Channel	No
Northing	6067481	Backwatered	Yes
Stream	Tributary to Weedon Creek	Percent Backwatered	100
Road	Davie-War FSR	Fill Depth (m)	2.5
Road Tenure	Canfor R01860	Outlet Drop (m)	0
Channel Width (m)	5.6	Outlet Pool Depth (m)	1.3
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Medium	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: Two pipes of similar diameter. Fully backwatered at outlet. Clear evidence of beaver activity near crossing. Dams upstream and downstream of crossing, creating big outlet pool. Fish spotted in culvert. 11:19:18			
Photos: PSCIS ID			
 2023-08-30 11:22:46 10U 500196 6067482	 2023-08-30 11:24:51 10U 500185 6067482	 2023-08-30 11:28:43 10U 500178 6067478	 2023-08-30 11:44:35 10U 500228 6067483
 2023-08-30 11:30:17 10U 500175 6067477	 2023-08-30 11:44:26 10U 500232 6067486	. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6621	

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6622	Diameter (m)	3.5
External ID	–	Length (m)	18
Crew	MW MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	498186	Resemble Channel	No
Northing	6061320	Backwatered	No
Stream	Tributary to Weedon Creek	Percent Backwatered	–
Road	Davie-Weedon Lake FSR	Fill Depth (m)	1
Road Tenure	MOF 7719	Outlet Drop (m)	0
Channel Width (m)	2.5	Outlet Pool Depth (m)	0.4
Stream Slope (%)	2.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	High	Valley Fill	Deep Fill
Final score	23	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

Location and Stream Data	•	Crossing Characteristics	-
Comments: Two pipes of equal width. High habitat value, good flowing stream. 12:33:15			
Photos: PSCIS ID			
	2023-08-30 12:36:19 10U 498185 6061323		2023-08-30 12:47:59 10U 498191 6061310
	2023-08-30 12:41:10 10U 498182 6061335		2023-08-30 12:47:51 10U 498190 6061308
	2023-08-30 12:39:25 10U 498186 6061333		2023-08-30 12:47:28 10U 498190 6061308
From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6622			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	6623	Diameter (m)	1.6
External ID	–	Length (m)	25
Crew	MW MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	495931.2	Resemble Channel	No
Northing	6058430	Backwatered	No
Stream	Tributary to Weedon Lake	Percent Backwatered	–
Road	Davie-Weedon Lake FSR	Fill Depth (m)	1
Road Tenure	MOF 7719	Outlet Drop (m)	0.3
Channel Width (m)	2.6	Outlet Pool Depth (m)	0.7
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	No	Slope (%)	1.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	34	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	10

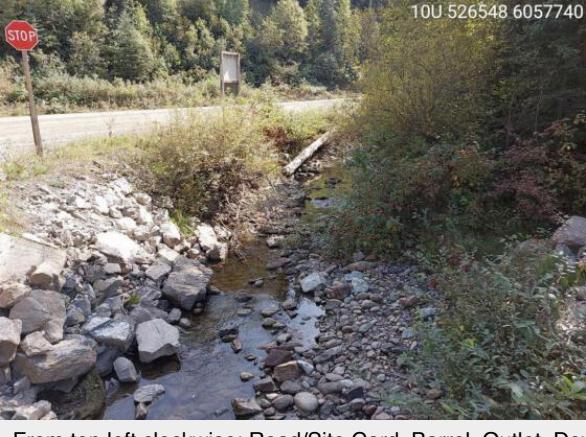
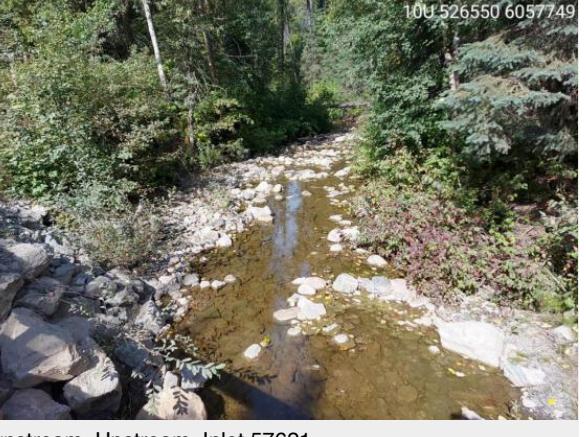
Location and Stream Data	•	Crossing Characteristics	-
Comments: Big pipe, backwatered and creating big outlet pool. Wetland upstream. Some flow downstream. 13:33:37			
Photos: PSCIS ID			
	2023-08-30 13:34:35 10U 495923 6058429		2023-08-30 13:36:45 10U 495918 6058443
	2023-08-30 13:36:37 10U 495916 6058439		2023-08-30 13:39:37 10U 495952 6058423
	2023-08-30 13:39:57 10U 495953 6058408		2023-08-30 13:44:29 10U 495943 6058431

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6623

Location and Stream Data		.	Crossing Characteristics –	
Date	2023-08-30		Crossing Sub Type	Round Culvert
PSCIS ID	6624		Diameter (m)	2.2
External ID	–		Length (m)	29
Crew	MW TS JD BP		Embedded	Yes
UTM Zone	10		Depth Embedded (m)	1.5
Easting	495267.5		Resemble Channel	No
Northing	6053873		Backwatered	Yes
Stream	Tributary to Weedon Lake	Percent Backwatered	100	
Road	Davie-Weedon Lake FSR	Fill Depth (m)	1	
Road Tenure	Winton R02864	Outlet Drop (m)	0	
Channel Width (m)	3.8	Outlet Pool Depth (m)	1.8	
Stream Slope (%)	1	Inlet Drop	No	
Beaver Activity	Yes	Slope (%)	2	
Habitat Value	Low	Valley Fill	Deep Fill	
Final score	14	Barrier Result	Passable	
Fix type	–	Fix Span / Diameter	–	

Location and Stream Data	•	Crossing Characteristics	-
Comments: Big flooded wetland area. Beaver dam blocking inlet side. Massive outlet pool. Stream width and slope estimated. No defined channel. Culvert almost fully submerged on inlet side. 15:27:49			
Photos: PSCIS ID			
     			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.6624			

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Bridge
PSCIS ID	57621	Diameter (m)	11
External ID	–	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	526546.9	Resemble Channel	–
Northing	6057752	Backwatered	–
Stream	Tributary to Tacheeda Lakes	Percent Backwatered	–
Road	Chuchinka-Hambone FSR	Fill Depth (m)	–
Road Tenure	MOF 5506	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	–

Location and Stream Data	Crossing Characteristics
Comments: Near intersection of hambone and colbourne. Wide channel with good flow. 14:09:47	
Photos: PSCIS ID	
	
	
	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.57621

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198660	Diameter (m)	1.18
External ID	3700002	Length (m)	22
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	519645.9	Resemble Channel	No
Northing	6041053	Backwatered	No
Stream	Copper Creek	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	1.2
Road Tenure	MOTI	Outlet Drop (m)	0.4
Channel Width (m)	3.7	Outlet Pool Depth (m)	0.6
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	No	Slope (%)	2.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	34	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-		
Comments: No water in culvert. Some water near inlet and outlet. Stream dewatered downstream again after ~20m. Burbot have been caught in the past approximately 700m upstream of the highway. Wide channel with small lakes and ponds upstream. Ministry of Transportation chris_culvert_id: 1997081. 11:52:21					
Photos: PSCIS ID					
					
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700002					

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198661	Diameter (m)	0.7
External ID	3700034	Length (m)	20
Crew	MW	Embedded	Yes
UTM Zone	10	Depth Embedded (m)	0.37
Easting	518793.7	Resemble Channel	Yes
Northing	6049041	Backwatered	Yes
Stream	Tributary to Crooked River	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	0.5
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	3.1	Outlet Pool Depth (m)	0.5
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	No	Slope (%)	1
Habitat Value	Low	Valley Fill	Deep Fill
Final score	14	Barrier Result	Passable
Fix type	–	Fix Span / Diameter	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Grate on inlet. Backwatered and big wetland area upstream. Difficult to determine where stream is, width and gradient estimated. Ministry of Transportation chris_culvert_id: 1997003. 12:41:10			
Photos: PSCIS ID			
			
			. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700034

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198662	Diameter (m)	3.5
External ID	3700010	Length (m)	25
Crew	MW	Embedded	Yes
UTM Zone	10	Depth Embedded (m)	0.6
Easting	519126.1	Resemble Channel	Yes
Northing	6053247	Backwatered	Yes
Stream	Redrocky Creek	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	2.5
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	5.2	Outlet Pool Depth (m)	4
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	19	Barrier Result	Potential
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-		
Comments: Enormous outlet pool indicating culvert may be undersized. Numerous fish spotted in outlet pool and inlet side. Debris jams covering entire stream channel at inlet and at outlet of outlet pool. Pool very deep, depth estimated. Ministry of Transportation chris_hwy_structure_road_id: 3759. 13:35:05					
Photos: PSCIS ID					
					
					
					
					
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700010					

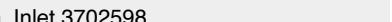
Location and Stream Data		Crossing Characteristics	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198663	Diameter (m)	0.6
External ID	3700015	Length (m)	22
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	517177.1	Resemble Channel	No
Northing	6054490	Backwatered	No
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	2.5
Road Tenure	MOTI	Outlet Drop (m)	0.3
Channel Width (m)	1.1	Outlet Pool Depth (m)	0.1
Stream Slope (%)	4	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Low	Valley Fill	Deep Fill
Final score	39	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Very little flow through culvert. Overgrown channel. Very little water in stream. Not likely fish bearing. Ministry of Transportation chris_culvert_id: 1996752. 14:05:09			
Photos: PSCIS ID			
 <p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700015</p>			

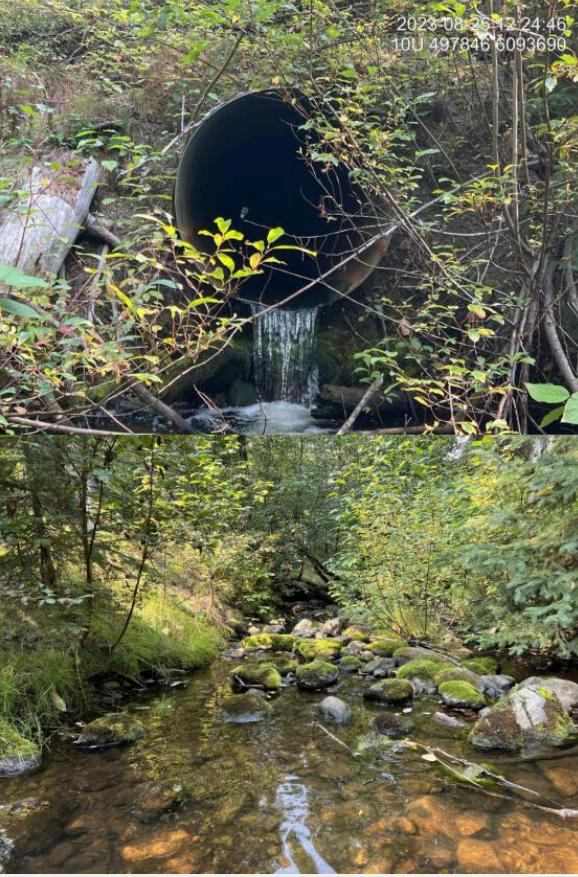
Location and Stream Data		Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Oval Culvert
PSCIS ID	198664	Diameter (m)	4.2
External ID	3701558	Length (m)	26
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	513139.9	Resemble Channel	No
Northing	6067043	Backwatered	No
Stream	Altezega Creek	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	1.5
Road Tenure	MOTI	Outlet Drop (m)	0.3
Channel Width (m)	3.5	Outlet Pool Depth (m)	0.4
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	No	Slope (%)	0
Habitat Value	High	Valley Fill	Deep Fill
Final score	23	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Fish spotted in culvert and near inlet. Some substrate and cobbles in pipe. Ministry of Transportation chris_hwy_structure_road_id: 2434. 14:47:11			
Photos: PSCIS ID			
     			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701558			

Location and Stream Data		.	Crossing Characteristics –
Date	2023-08-25	Crossing Sub Type	Ford
PSCIS ID	198665	Diameter (m)	–
External ID	3702598	Length (m)	–
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	513534.5	Resemble Channel	–
Northing	6067128	Backwatered	–
Stream	Altezega Creek	Percent Backwatered	–
Road	Unknown	Fill Depth (m)	–
Road Tenure	Unclassified	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	–

Location and Stream Data	.	Crossing Characteristics	-
Comments: High habitat quality. Old quad trail. Small trib flowing into creek from one side. 15:08:17			
Photos: PSCIS ID			
			
			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702598			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198666	Diameter (m)	1.2
External ID	2200002	Length (m)	60
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	497880.6	Resemble Channel	No
Northing	6093710	Backwatered	No
Stream	Tributary to McLeod lake	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	9
Road Tenure	MOTI	Outlet Drop (m)	0.65
Channel Width (m)	3	Outlet Pool Depth (m)	1
Stream Slope (%)	0.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	0.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	32	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	4.5

Location and Stream Data	•	Crossing Characteristics
Comments: Stream is located between McLeod Lake Store on Highway and TseKhene food and fuel entrance. Most of the watershed drains reservation land. Could potentially be backwatered as an interim solution. Channel width estimated upstream in wetland type habitat so difficult to tell. Upstream end of the pipe is significantly sloped in the upstream direction. Ministry of Transportation chris_culvert_id: 1997114. 12:31:49		
Photos: PSCIS ID		
		
		From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200002

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198667	Diameter (m)	2.5
External ID	2200779	Length (m)	34
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	500631.7	Resemble Channel	No
Northing	6089784	Backwatered	No
Stream	Tsatchuka Creek	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	2
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	4	Outlet Pool Depth (m)	1
Stream Slope (%)	0.5	Inlet Drop	Yes
Beaver Activity	Yes	Slope (%)	0.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	22	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Grate on inlet and beaver influenced wetland upstream. Inlet blocked by beaver debris with beaver trap on inlet. Potentially good candidate for leveler to maintain beaver activity without attempting to remove the animals. Ministry of Transportation chris_culvert_id: 1997066. 13:04:57			
Photos: PSCIS ID			
 2023-08-25 13:08:35 10U 500626 608979;1		 2023-08-25 13:24:35 10U 500616 6089766	
 2023-08-25 13:17:03 10U 500622 608973		 2023-08-25 13:11:18 10U 500616 6089770	
 2023-08-25 13:16:49 10U 500624 6089739		 2023-08-25 13:10:28 10U 500624 6089770	
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200779			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198668	Diameter (m)	1.2
External ID	2200604	Length (m)	50
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	501962.9	Resemble Channel	No
Northing	6087826	Backwatered	No
Stream	Tributary to McLeod Lake	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	6
Road Tenure	MOTI	Outlet Drop (m)	0.8
Channel Width (m)	1.9	Outlet Pool Depth (m)	0.6
Stream Slope (%)	3	Inlet Drop	Yes
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	37	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics
Comments: Abundant gravels, suitable for spawning upstream. Although flows are minimal, the streams does still have water. Models as having over 3 km of habitat upstream below 5%. Although no fish are recorded as present upstream it seems highly likely that this would be a fish bearing stream. Outlet drop is 80cm. Steep section of pipe at the inlet recorded as inlet drop. Ministry of Transportation chris_culvert_id: 1996852. 13:40:04		
Photos: PSCIS ID		
		
		
		
From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200604		

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198669	Diameter (m)	0.9
External ID	2200026	Length (m)	40
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	503356.4	Resemble Channel	No
Northing	6085974	Backwatered	No
Stream	Tributary to McLeod Lake	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	5
Road Tenure	MOTI	Outlet Drop (m)	0.4
Channel Width (m)	3.3	Outlet Pool Depth (m)	1.3
Stream Slope (%)	4	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	3
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	42	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	16

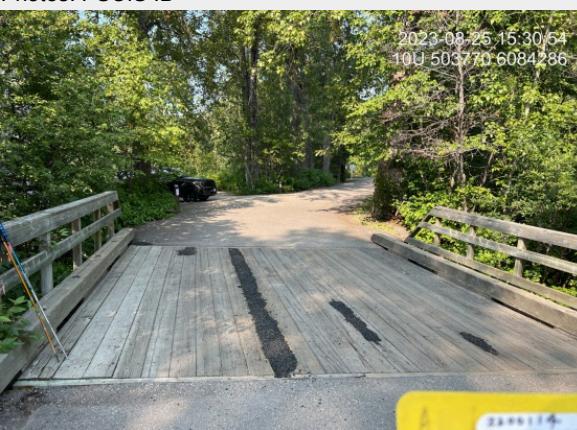
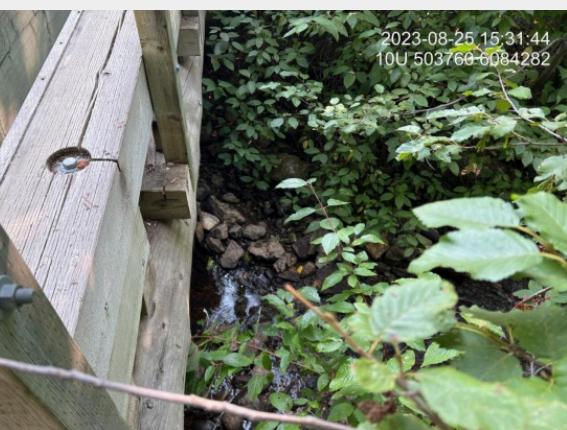
Location and Stream Data	•	Crossing Characteristics
Comments: Culvert is extremely under sized. Nice stream with pockets of gravel and good flow upstream. Rainbow known in the system. Culvert is literally unravelling at the downstream end with a very large outlet pool. Beaver activity noted downstream. Seems very unlikely that any fish can pass through the pipe. Ministry of Transportation chris_culvert_id: 1996861. 14:23:42		
Photos: PSCIS ID		
 <p>2023-08-25 14:25:12 10U 503362 6085972</p>	 <p>2023-08-25 14:29:03 10U 503349 6085960</p>	 <p>2023-08-25 14:37:20 10U 503377 6085997</p>
 <p>2023-08-25 14:30:11 10U 503343 6085957</p>	 <p>2023-08-25 14:47:31 10U 503398 6086041</p>	 <p>2023-08-25 14:31:35 10U 503344 6085947</p>
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200026		

Location and Stream Data		.	Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Bridge	
PSCIS ID	198670	Diameter (m)	6	
External ID	2200119	Length (m)	8	
Crew	AI	Embedded	–	
UTM Zone	10	Depth Embedded (m)	–	
Easting	503934.3	Resemble Channel	–	
Northing	6084297	Backwatered	–	
Stream	Whiskers Creek	Percent Backwatered	–	
Road	Campground Rd	Fill Depth (m)	–	
Road Tenure	MOE	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: Nice little campground bridge. 15:20:36			
Photos: PSCIS ID			
	2023-08-25 15:19:23 10U 503948 6084303		2023-08-25 15:20:07 10U 503940 6084295
	2023-08-25 15:19:36 10U 503948 6084303		2023-08-25 15:19:55 10U 503940 6084295
	2023-08-25 15:23:01 10U 503935 6084294		2023-08-25 15:22:50 10U 503927 6084286
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200119			

Location and Stream Data		.	Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Bridge	
PSCIS ID	198671	Diameter (m)	6	
External ID	2200114	Length (m)	7	
Crew	AI	Embedded	–	
UTM Zone	10	Depth Embedded (m)	–	
Easting	503758.4	Resemble Channel	–	
Northing	6084286	Backwatered	–	
Stream	Whiskers Creek	Percent Backwatered	–	
Road	Campground Rd	Fill Depth (m)	–	
Road Tenure	MOE	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	–	

Location and Stream Data	•	Crossing Characteristics	-
Comments: There are four bridges in total within 200m, with 2 inventoried. 15:32:10			
Photos: PSCIS ID			
 2023-08-25 15:30:54 10U 503770 6084286		 2023-08-25 15:31:44 10U 503760 6084282	
 2023-08-25 15:31:26 10U 503760 6084282		 2023-08-25 15:31:41 10U 503760 6084282	
 2023-08-25 15:31:03 10U 503760 6084282		 2023-08-25 15:31:15 10U 503760 6084282	
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200114			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-25	Crossing Sub Type	Round Culvert
PSCIS ID	198672	Diameter (m)	2.5
External ID	2200014	Length (m)	35
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	504410.8	Resemble Channel	No
Northing	6084420	Backwatered	No
Stream	Whiskers Creek	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	5
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	7	Outlet Pool Depth (m)	1.5
Stream Slope (%)	0	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	2
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	27	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	16

Location and Stream Data	•	Crossing Characteristics
Comments: Beaver activity downstream with extensive beaver influence wetlands upstream. 1 1/2 m high blockage at the inlet to beaver activity. Stream width difficult to estimate due to wetland nature of habitat upstream. This is the first road stream crossing on this stream to be an issue at all downstream, crossings or bridges within whiskers point provincial park campground. Ministry of Transportation chris_culvert_id: 1997172. 16:05:30		
Photos: PSCIS ID		
 <p>2023-08-25 15:49:58 10U 504418 6084406</p>		 <p>2023-08-25 15:55:57 10U 504351 6084343</p>
 <p>2023-08-25 16:03:17 10U 504429 6084420</p>		 <p>2023-08-25 15:53:41 10U 504362 6084415</p>
 <p>2023-08-25 16:04:11 10U 504435 6084429</p>		 <p>2023-08-25 15:51:26 10U 504390 6084416</p>

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200014

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198673	Diameter (m)	1.2
External ID	3702044	Length (m)	30
Crew	MW	Embedded	Yes
UTM Zone	10	Depth Embedded (m)	0.9
Easting	524197.9	Resemble Channel	Yes
Northing	6015328	Backwatered	Yes
Stream	Miller Creek	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	5
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	2.1	Outlet Pool Depth (m)	1.6
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	2
Habitat Value	Low	Valley Fill	Deep Fill
Final score	17	Barrier Result	Potential
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	16

Location and Stream Data	•	Crossing Characteristics	-
Comments: Culvert is fully submerged on outlet side. No stream found beyond outlet pool. Big wetland complex on upstream side. No defined channel. Stream slope, channel width, and culvert slope were estimated. Ministry of Transportation chris_culvert_id: 1996888. 11:04:17			
Photos: PSCIS ID			
 <p>2023-08-26 11:25:20 10U 524246 6015361</p>	 <p>2023-08-26 11:25:20 10U 524246 6015361</p>	 <p>2023-08-26 10:51:26 10U 524219 6015314</p>	 <p>2023-08-26 11:01:57 10U 524184 6015306</p>
 <p>2023-08-26 10:51:46 10U 524223 6015311</p>	 <p>2023-08-26 11:02:01 10U 524182 6015305</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702044</p>	

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198674	Diameter (m)	0.8
External ID	3701553	Length (m)	12
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	524033.9	Resemble Channel	No
Northing	6015628	Backwatered	No
Stream	Miller Creek	Percent Backwatered	–
Road	Summit Lake Rd	Fill Depth (m)	1.5
Road Tenure	MOTI Local	Outlet Drop (m)	0
Channel Width (m)	2.4	Outlet Pool Depth (m)	0.6
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	No	Slope (%)	2.5
Habitat Value	Low	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

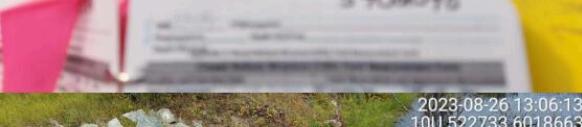
Location and Stream Data	•	Crossing Characteristics	-
Comments: Beaver grate on inlet side. Big wetland area upstream and no defined stream channel seen. Some flow downstream. Very little flow through pipe. There is an unassessed crossing upstream, on railway (modelled crossing id 3703407). Ministry of Transportation chris_culvert_id: 3440699. 11:56:39			
Photos: PSCIS ID			
			
			
			

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701553

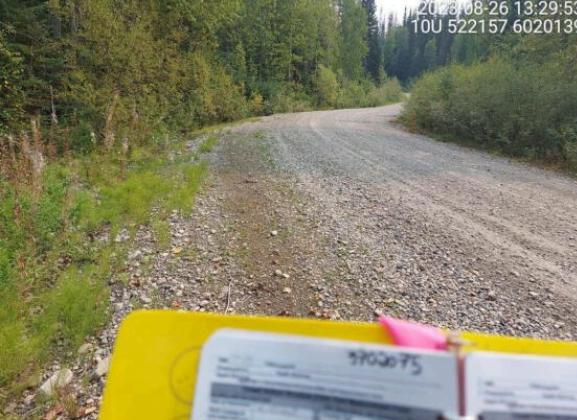
Location and Stream Data		Crossing Characteristics	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198675	Diameter (m)	1.9
External ID	3701554	Length (m)	26
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	524469.3	Resemble Channel	No
Northing	6017855	Backwatered	Yes
Stream	O'Dell Creek	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	3
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	1.9	Outlet Pool Depth (m)	0.8
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	4
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	26	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Debris jam at inlet creating small drop. Large wetland area upstream and downstream. No well defined channel. Burbot confirmed just upstream in the past, as well as downstream near Summit Lake. Ministry of Transportation chris_culvert_id: 1996948. 12:35:23			
Photos: PSCIS ID			
 <p>2023-08-26 12:50:46 10U 524474 6017849</p>	 <p>3701554</p>	 <p>2023-08-26 12:27:35 10U 524449 6017847</p>	
 <p>2023-08-26 12:37:01 10U 524490 6017833</p>	 <p>2023-08-26 12:26:26 10U 524452 6017841</p>	 <p>2023-08-26 12:36:05 10U 524490 6017853</p>	
 <p>2023-08-26 12:26:31 10U 524451 6017843</p>			
<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701554</p>			

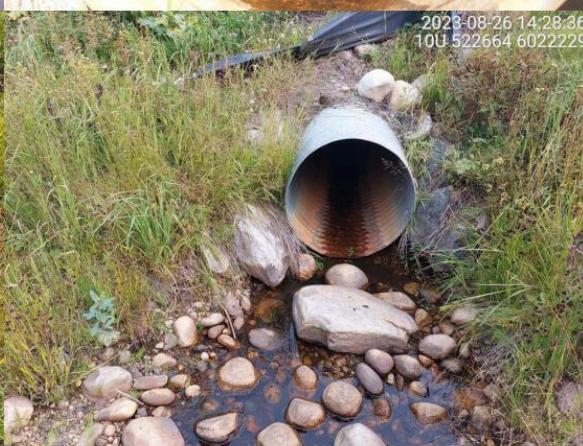
Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Bridge
PSCIS ID	198676	Diameter (m)	15
External ID	3702078	Length (m)	3
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	522732.5	Resemble Channel	–
Northing	6018668	Backwatered	–
Stream	Neilson Creek	Percent Backwatered	–
Road	Caine Creek FSR	Fill Depth (m)	–
Road Tenure	Canfor R02852	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Neilsen Lake dam located approximately 30m upstream of bridge, near outlet of lake. Metal dam 1.8m in height and owned by Ministry of Environment. 13:08:06			
Photos: PSCIS ID			
   			
   			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702078			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198677	Diameter (m)	0.8
External ID	3702075	Length (m)	12
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	522191.8	Resemble Channel	No
Northing	6020073	Backwatered	Yes
Stream	Witters Creek	Percent Backwatered	50
Road	Caine Creek FSR	Fill Depth (m)	0.3
Road Tenure	Canfor R02852	Outlet Drop (m)	0.2
Channel Width (m)	2	Outlet Pool Depth (m)	0.3
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	0
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-		
Comments: Culvert is in very bad condition. Debris jam blocking inlet, likely beaver caused.. Stream habitat is ok, some deep pools and abundant riparian vegetation. 13:51:42					
Photos: PSCIS ID					
 <p>2023-08-26 13:29:53 10U 522157 6020139</p>	 <p>2023-08-26 13:43:41 10U 522187 6020076</p>	 <p>2023-08-26 13:49:45 10U 522202 6020084</p>	 <p>2023-08-26 13:43:26 10U 522188 6020064</p>		
 <p>2023-08-26 13:49:39 10U 522204 6020082</p>	 <p>2023-08-26 13:43:30 10U 522187 6020071</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702075</p>			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198678	Diameter (m)	0.75
External ID	3700005	Length (m)	23
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	522683.9	Resemble Channel	No
Northing	6022233	Backwatered	No
Stream	Witters Creek	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	1
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	2.3	Outlet Pool Depth (m)	0
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	No	Slope (%)	4
Habitat Value	Low	Valley Fill	Deep Fill
Final score	29	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: No visible channel upstream. Very little flow through culvert. Some water and cobbles at outlet. Ministry of Transportation chris_culvert_id: 1997258. 14:42:45			
Photos: PSCIS ID			
     			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700005			

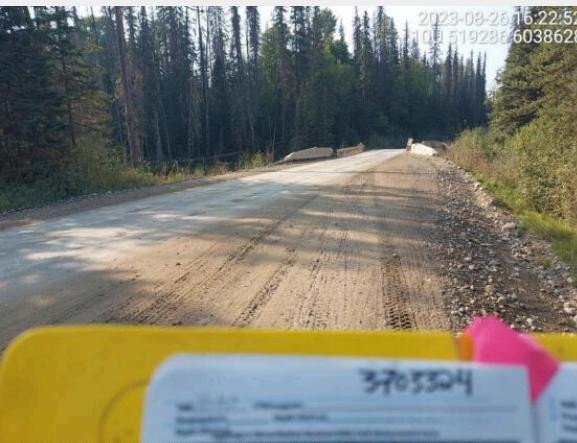
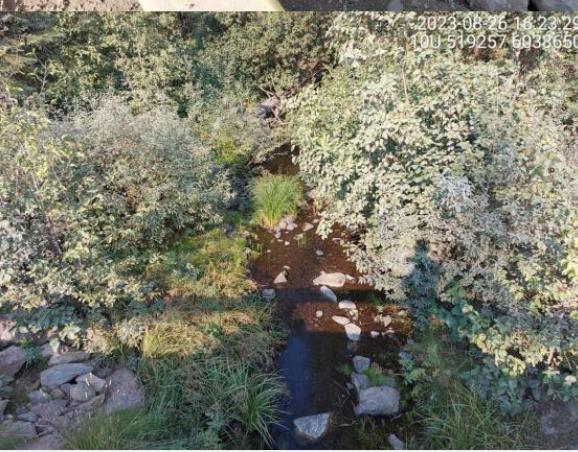
Location and Stream Data		Crossing Characteristics	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198679	Diameter (m)	0.6
External ID	3703410	Length (m)	17
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	522653.6	Resemble Channel	No
Northing	6022232	Backwatered	No
Stream	Witters Creek	Percent Backwatered	–
Road	Railway	Fill Depth (m)	2
Road Tenure	CN Rail	Outlet Drop (m)	0.1
Channel Width (m)	1.9	Outlet Pool Depth (m)	0.4
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	1
Habitat Value	Low	Valley Fill	Deep Fill
Final score	24	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Small amount of water in pipe. Channel is overgrown downstream. Almost no flow in stream. 15:01:34			
Photos: PSCIS ID			
 <p>2023-08-26 15:02:31 10U 522651 6022229</p>		 <p>2023-08-26 14:54:07 10U 522658 6022231</p>	
 <p>2023-08-26 14:54:07 10U 522658 6022231</p>		 <p>2023-08-26 14:57:25 10U 522655 6022235</p>	
		 <p>2023-08-26 14:57:44 10U 522651 6022231</p>	
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3703410			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198680	Diameter (m)	1.1
External ID	3700003	Length (m)	26
Crew	MW	Embedded	Yes
UTM Zone	10	Depth Embedded (m)	0.6
Easting	523141.4	Resemble Channel	Yes
Northing	6019903	Backwatered	Yes
Stream	Neilson Creek	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	3.5
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	2.3	Outlet Pool Depth (m)	0.6
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	1.5
Habitat Value	Low	Valley Fill	Deep Fill
Final score	14	Barrier Result	Passable
Fix type	–	Fix Span / Diameter	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Wetland habitat, no flow. No culvert found south where modelled crossing is supposed to be on map. Unassessed railway crossing downstream. Ministry of Transportation chris_culvert_id: 1997273. 15:40:25			
Photos: PSCIS ID			
 <p>2023-08-26 15:19:37 10U 523127 6019919</p>	 <p>2023-08-26 15:35:44 10U 523120 6019898</p>	 <p>2023-08-26 15:37:27 10U 523158 6019918</p>	 <p>2023-08-26 15:35:57 10U 523126 6019894</p>
 <p>2023-08-26 15:37:36 10U 523157 6019916</p>	 <p>2023-08-26 15:35:46 10U 523122 6019897</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700003</p>	

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Bridge
PSCIS ID	198681	Diameter (m)	3.5
External ID	3703324	Length (m)	7
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	519257.5	Resemble Channel	–
Northing	6038651	Backwatered	–
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Davie-Bear Lake FSR	Fill Depth (m)	–
Road Tenure	MOF 7719	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	–

Location and Stream Data	•	Crossing Characteristics
Comments: Burbot and bull trout confirmed upstream in past. Wetland upstream. 16:24:42		
Photos: PSCIS ID		
 A photograph of a yellow rectangular site card with a white label. The label has the number "3703324" printed on it. The card is placed on a dirt road.		 A photograph showing a wooden barrel lying on its side under a bridge. A small stream of water flows out from under the bridge into the barrel.
 A photograph of a stream outlet where water is flowing out from under a concrete bridge into a rocky stream bed.		 A photograph looking downstream at a rocky stream bed with some aquatic plants.
 A photograph looking upstream at a wetland area with many dead trees (snags) and shallow pools of water.		 A photograph looking upstream at a small inlet where water is flowing into the main stream, surrounded by dense green vegetation.
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3703324		

Location and Stream Data		Crossing Characteristics	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198682	Diameter (m)	1.7
External ID	3700007	Length (m)	22
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	520696.1	Resemble Channel	No
Northing	6037970	Backwatered	Yes
Stream	Tributary to Crooked River	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	4
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	1.7	Outlet Pool Depth (m)	0.4
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	No	Slope (%)	2.5
Habitat Value	Low	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Two pipes. Big wetland upstream and downstream. No well defined channel. Ministry of Transportation chris_culvert_id: 1997232. 16:47:59			
Photos: PSCIS ID			
2023-08-26 16:52:25 10U 520696 6037985	•	2023-08-26 16:39:45 10U 520674 6037967	-
			
2023-08-26 16:45:07 10U 520706 6037988	•	2023-08-26 16:39:23 10U 520673 6037963	-
			
2023-08-26 16:44:44 10U 520702 6037983	•	2023-08-26 16:39:29 10U 520672 6037961	-
			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700007			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198683	Diameter (m)	1.2
External ID	3700006	Length (m)	18
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	523556.6	Resemble Channel	No
Northing	6024872	Backwatered	Yes
Stream	Tributary to Crooked River	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	1
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	3.4	Outlet Pool Depth (m)	0.8
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	No	Slope (%)	0.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	19	Barrier Result	Potential
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

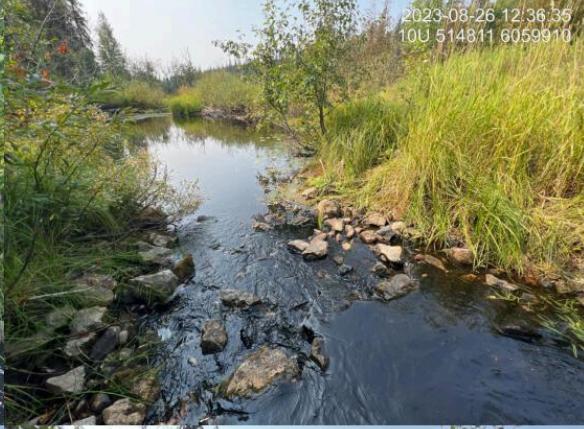
Location and Stream Data	•	Crossing Characteristics
Comments: Backwatered, wetland downstream. Culvert is rusted. Four small lakes upstream, including Augustine, Log, and Cloud Lake. Fish presence confirmed in Augustine Lake (RB, SU, NSC and RSC). Unassessed crossing (modelled id 3703412) located downstream of highway on railway, near the confluence with Crooked River. Ministry of Transportation chris_culvert_id: 1997146. 17:17:30		
Photos: PSCIS ID		
		
		
		
From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700006		

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198684	Diameter (m)	1.8
External ID	3700019	Length (m)	36
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	514827.2	Resemble Channel	No
Northing	6059932	Backwatered	Yes
Stream	Tributary to Kerry Lake	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	3
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	5	Outlet Pool Depth (m)	0.4
Stream Slope (%)	1	Inlet Drop	Yes
Beaver Activity	Yes	Slope (%)	0.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	22	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

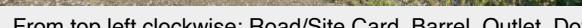
Location and Stream Data	•	Crossing Characteristics
Comments: 100% backwatered culvert with lots of beaver activity and wetland area upstream. Inlet drop is created by beaver generated shrub material so backwatering is happening. However, there is a step of approximately 0.6 m at the top end of the pipe. Black algae throughout channel downstream. Downstream channel appears to be constructed of rock at approximately 3.8 m wide before entering more beaverdam influenced wetland habitat. Ministry of Transportation chris_culvert_id: 1996976. 12:08:15		
Photos: PSCIS ID		
		
		
		
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700019		

Location and Stream Data		.	Crossing Characteristics –	
Date	2023-08-26		Crossing Sub Type	Ford
PSCIS ID	198685		Diameter (m)	–
External ID	3701847		Length (m)	–
Crew	AI		Embedded	–
UTM Zone	10		Depth Embedded (m)	–
Easting	514810.1		Resemble Channel	–
Northing	6059906		Backwatered	–
Stream	Tributary to Kerry Lake		Percent Backwatered	–
Road	Pipeline		Fill Depth (m)	–
Road Tenure	Unclassified		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: Armoured ford on pipeline. Immediately downstream of highway. 12:36:50			
Photos: PSCIS ID			
			
	2023-08-26 12:36:42 10U 514811 6059910		2023-08-26 12:36:35 10U 514811 6059910
	2023-08-26 12:36:29 10U 514811 6059910		2023-08-26 12:36:29 10U 514811 6059910
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701847			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198686	Diameter (m)	0.5
External ID	3700023	Length (m)	30
Crew	AI	Embedded	Yes
UTM Zone	10	Depth Embedded (m)	0.1
Easting	510940.3	Resemble Channel	Yes
Northing	6071748	Backwatered	Yes
Stream	Tributary to Crooked River	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	4.5
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	4	Outlet Pool Depth (m)	0.5
Stream Slope (%)	0	Inlet Drop	Yes
Beaver Activity	Yes	Slope (%)	0.5
Habitat Value	High	Valley Fill	Deep Fill
Final score	17	Barrier Result	Potential
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14.5

Location and Stream Data	•	Crossing Characteristics
Comments: 0.5 m pipe is stuffed inside of the sleeve of a larger older pipe. Beaver trap located at inlet. Burbot have been observed upstream in the past. Inlet almost completely blocked by beaver debris, as well as human placed sticks and beaver trap. Significant road prism erosion on upstream side of pipe as well as immediately adjacent to outlet. Ministry of Transportation chris_culvert_id: 1997085. 13:05:45		
Photos: PSCIS ID		
 <p>2023-08-26 13:09:02 10U 510943 6071746</p>	 <p>2023-08-26 13:13:04 10U 510929 6071754</p>	 <p>2023-08-26 13:10:18 10U 510961 6071749</p>
 <p>2023-08-26 13:09:13 10U 510943 6071746</p>	 <p>2023-08-26 13:12:58 10U 510929 6071754</p>	 <p>2023-08-26 13:16:16 10U 510923 6071748</p>

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700023

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198687	Diameter (m)	2
External ID	3700024	Length (m)	26
Crew	AI	Embedded	Yes
UTM Zone	10	Depth Embedded (m)	0.25
Easting	510950.3	Resemble Channel	Yes
Northing	6072479	Backwatered	Yes
Stream	42 Mile Creek	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	1.5
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	2.5	Outlet Pool Depth (m)	0.3
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	0.5
Habitat Value	High	Valley Fill	Deep Fill
Final score	11	Barrier Result	Passable
Fix type	–	Fix Span / Diameter	–

Location and Stream Data	•	Crossing Characteristics	-
<p>Comments: Nice stream with good flow and abundant gravel, suitably sized for spawning. Culvert is 100% backwatered and fully embedded. It appears as though there have been some very high flow events that have moved significant amounts of gravel, substrate, upstream and downstream. See photos. Channel seems overly straight and deep so suspect machine work has been done to dredge out the crossing, upstream and downstream. Ministry of Transportation chris_culvert_id: 1997302. 13:37:33</p>			
<p>Photos: PSCIS ID</p>			
 <p>2023-08-26 13:39:51 10U 510961 6072499</p>	 <p>2023-08-26 13:41:42 10U 510961 6072481</p>	 <p>2023-08-26 13:41:35 10U 510961 6072481</p>	 <p>2023-08-26 13:51:10 10U 510961 6072473</p>
 <p>2023-08-26 13:44:51 10U 510960 6072488</p>	 <p>2023-08-26 13:51:42 10U 510961 6072473</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700024</p>	

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198688	Diameter (m)	1.5
External ID	3701948	Length (m)	52
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	509646.2	Resemble Channel	No
Northing	6074531	Backwatered	No
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	9.9
Road Tenure	MOTI	Outlet Drop (m)	0.5
Channel Width (m)	3.9	Outlet Pool Depth (m)	0
Stream Slope (%)	3	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Low	Valley Fill	Deep Fill
Final score	37	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	31

Location and Stream Data	•	Crossing Characteristics	-
Comments: Newly installed horizontally drilled culvert. Stream dry at the time of assessment. Partially vegetated channel upstream, and downstream indicates that the system has not flowed heavily perennially for some time. Wetland type habitat upstream with nice gravels and classic stream character downstream. Baffles installed within the pipe. Approximately 1/3 of the pipe is blocked from beaver debris near inlet. Ministry of Transportation chris_culvert_id: 1997288. 14:12:18			
Photos: PSCIS ID			
			
			
			

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701948

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198689	Diameter (m)	1.2
External ID	2200009	Length (m)	30
Crew	AI	Embedded	Yes
UTM Zone	10	Depth Embedded (m)	0.1
Easting	506481.4	Resemble Channel	Yes
Northing	6080584	Backwatered	Yes
Stream	Tributary to McLeod Lake	Percent Backwatered	100
Road	Highway 97	Fill Depth (m)	1.2
Road Tenure	MOTI	Outlet Drop (m)	0
Channel Width (m)	4.1	Outlet Pool Depth (m)	1
Stream Slope (%)	2.5	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	2.5
Habitat Value	High	Valley Fill	Deep Fill
Final score	22	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

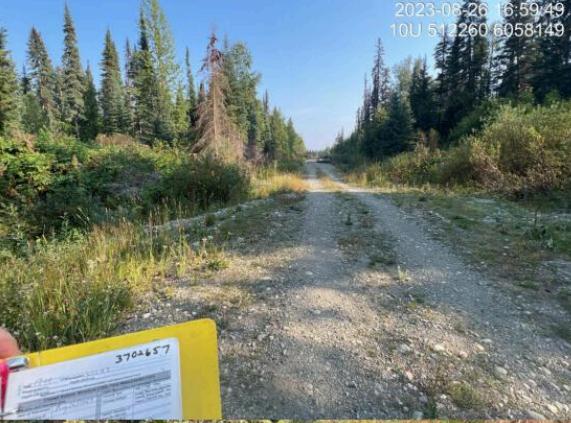
Location and Stream Data	•	Crossing Characteristics	-
Comments: Very nice stream with good flows and abundant gravel. Healthy riparian with evidence of beaver activity, including dam, approximately 5 m downstream of outlet which has backwatered the entire structure, including the outlet of the pipe, which is approximately 10 cm below the surface. It appears as though the crossing has been dredged with a machine recently, both upstream and downstream to deal with substrate deposition. There is pavement armouring the inlet area of the road prism. Ministry of Transportation chris_culvert_id: 1997018. 15:14:21			
Photos: PSCIS ID			
 A photograph showing a yellow rectangular site card with the number "2200009" handwritten on it. In the background, there is a paved road with a white dashed line, surrounded by dense green forest undergrowth.			
 A photograph looking down a culvert. The interior walls are made of corrugated metal. The water inside is dark and reflects the surrounding environment. A single yellow leaf floats on the surface.			
 A photograph of a stream outlet. A large, dark, cylindrical pipe is partially submerged in the water, which is flowing over rocks at the bottom. The surrounding area is lush green vegetation.			
 A photograph of a stream flowing downstream. The water is clear and reflects the surrounding trees. The banks are covered in dense green plants and shrubs.			
 A photograph of a stream flowing upstream. The water is clear and reflects the surrounding trees. The banks are covered in dense green plants and shrubs.			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200009			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198690	Diameter (m)	0.9
External ID	2200012	Length (m)	55
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	505029	Resemble Channel	No
Northing	6083597	Backwatered	No
Stream	Tributary to McLeod lake	Percent Backwatered	–
Road	Highway 97	Fill Depth (m)	8
Road Tenure	MOTI	Outlet Drop (m)	0.6
Channel Width (m)	2.5	Outlet Pool Depth (m)	0.1
Stream Slope (%)	3	Inlet Drop	No
Beaver Activity	No	Slope (%)	0
Habitat Value	Low	Valley Fill	Deep Fill
Final score	32	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	4.5

Location and Stream Data	•	Crossing Characteristics
Comments: Small stream with extremely long pipe, in very bad shape. End of pipe is unravelling with evidence of machine work at the outlet. Grate on inlet is off of pipe. Appears there has been dredging both upstream and downstream. Large area of clear-cut land upstream. Ministry of Transportation chris_culvert_id: 1997177. 15:50:45		
Photos: PSCIS ID		
 <div style="position: absolute; top: 211px; left: 378px;"> 2023-08-26 15:50:25 10U 505027 6083599 </div>		
 <div style="position: absolute; top: 211px; left: 741px;"> 2023-08-26 15:54:14 10U 505006 6083609 </div>		
 <div style="position: absolute; top: 411px; left: 378px;"> 2023-08-26 15:59:23 10U 505067 6083611 </div>		
 <div style="position: absolute; top: 621px; left: 741px;"> 2023-08-26 15:53:57 10U 504997 6083612 </div>		
 <div style="position: absolute; top: 624px; left: 378px;"> 2023-08-26 15:58:45 10U 505069 6083605 </div>		
 <div style="position: absolute; top: 629px; left: 741px;"> 2023-08-26 15:53:01 10U 505017 6083608 </div>		

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200012

Location and Stream Data		Crossing Characteristics	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198691	Diameter (m)	0.7
External ID	3702657	Length (m)	14
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	512259.6	Resemble Channel	No
Northing	6058147	Backwatered	No
Stream	Tributary to Kerry Lake	Percent Backwatered	–
Road	Kerry FSR	Fill Depth (m)	0.5
Road Tenure	MOF 8270	Outlet Drop (m)	0.3
Channel Width (m)	1	Outlet Pool Depth (m)	0
Stream Slope (%)	5	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Low	Valley Fill	Deep Fill
Final score	36	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Unlikely a fish bearing stream. Dry at the time of assessment. 17:02:49			
Photos: PSCIS ID			
 2023-08-26 16:59:49 10U 512260 6058149		 2023-08-26 17:00:24 10U 512260 6058149	
 2023-08-26 17:00:20 10U 512260 6058149		 2023-08-26 17:00:42 10U 512260 6058149	
 2023-08-26 17:00:00 10U 512260 6058149		 2023-08-26 17:00:09 10U 512260 6058149	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702657

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198692	Diameter (m)	1.2
External ID	3702663	Length (m)	17
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	511738.8	Resemble Channel	No
Northing	6059303	Backwatered	No
Stream	Tributary to Kerry Lake	Percent Backwatered	–
Road	Kerry FSR	Fill Depth (m)	4
Road Tenure	MOF 8270	Outlet Drop (m)	0.3
Channel Width (m)	3.6	Outlet Pool Depth (m)	1
Stream Slope (%)	4	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	39	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	13

Location and Stream Data	•	Crossing Characteristics	-
Comments: Nice little stream with decent flow for this time of year. Pockets of gravel throughout and healthy shrub and mixed riparian. Fish presence unknown, but seems likely due to proximity to Kerry lake with low gradients. 17:14:13			
Photos: PSCIS ID			
 2023-08-26 17:13:56 10U 511739 6059315	 2023-08-26 17:17:24 10U 511726 6059300	 3702663 2023-08-26 17:17:17 10U 511726 6059300	 2023-08-26 17:24:57 10U 511747 6059312
 2023-08-26 17:19:36 10U 511712 6059295	 2023-08-26 17:25:15 10U 511736 6059304	. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702663	

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-26	Crossing Sub Type	Round Culvert
PSCIS ID	198693	Diameter (m)	1.2
External ID	3702665	Length (m)	20
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	511840.8	Resemble Channel	No
Northing	6060225	Backwatered	No
Stream	Tributary to Kerry Lake	Percent Backwatered	–
Road	Kerry FSR	Fill Depth (m)	2
Road Tenure	MOF 8270	Outlet Drop (m)	1
Channel Width (m)	3.5	Outlet Pool Depth (m)	0.7
Stream Slope (%)	3.5	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	3
Habitat Value	Low	Valley Fill	Deep Fill
Final score	39	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Stream dry at time of survey. Appears to be a fairly large system with abundant gravels present throughout. Estimated 200 to 300 m of lower gradient habitat upstream that could be useful for downstream populations in the spring. Huge outlet drop and very large dry pool indicating pipe is undersized. 17:40:54			
Photos: PSCIS ID			
			
			
			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702665			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-29	Crossing Sub Type	Round Culvert
PSCIS ID	198694	Diameter (m)	0.75
External ID	3703459	Length (m)	12
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	513782.8	Resemble Channel	No
Northing	6067301	Backwatered	No
Stream	Tributary to Altezega Creek	Percent Backwatered	–
Road	Firth Lake FSR	Fill Depth (m)	1.5
Road Tenure	MOF 8385	Outlet Drop (m)	0
Channel Width (m)	2.2	Outlet Pool Depth (m)	0.7
Stream Slope (%)	2	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	2
Habitat Value	High	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: High habitat value upstream. Many fish spotted in outlet pool. Tributary to big system. Culvert old and not in great shape. Needs to be replaced. Debris jam at inlet blocking small section of flow. 08:57:52			
Photos: PSCIS ID			
 <p>2023-08-29 08:48:21 10U 513789 6067302</p>	 <p>2023-08-29 08:48:21 10U 513789 6067300</p>	 <p>2023-08-29 08:53:21 10U 513789 6067302</p>	 <p>2023-08-29 08:48:40 10U 513789 6067301</p>
 <p>2023-08-29 08:53:21 10U 513789 6067307</p>	 <p>2023-08-29 08:51:59 10U 513789 6067292</p>		

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3703459

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-29	Crossing Sub Type	Bridge
PSCIS ID	198695	Diameter (m)	15
External ID	2023082901	Length (m)	5
Crew	AI	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	513128	Resemble Channel	–
Northing	6067173	Backwatered	–
Stream	Tributary to Altezega Creek	Percent Backwatered	–
Road	Firth Lake FSR	Fill Depth (m)	–
Road Tenure	MOF 8385	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Bridge over wetland drainage area. Channel dry at time of assessment. Not a mapped stream but a wetland area upstream of the highway. 08:39:05			
Photos: PSCIS ID			
 2023-08-29 08:36:45 10U 513128 6067168	 2023-08-29 08:37:22 10U 513128 6067168	 2023-08-29 08:37:06 10U 513128 6067168	 2023-08-29 08:37:15 10U 513128 6067168
 2023-08-29 08:36:52 10U 513128 6067168	 2023-08-29 08:36:57 10U 513128 6067168	. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2023082901	

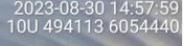
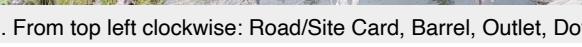
Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198696	Diameter (m)	0.6
External ID	3702446	Length (m)	15
Crew	MW MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	497845.7	Resemble Channel	No
Northing	6060884	Backwatered	No
Stream	Tributary to Weedon Lake	Percent Backwatered	–
Road	Davie-Weedon Lake FSR	Fill Depth (m)	2.5
Road Tenure	Canfor R02875	Outlet Drop (m)	0.5
Channel Width (m)	0	Outlet Pool Depth (m)	0
Stream Slope (%)	0	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	6
Habitat Value	Low	Valley Fill	Deep Fill
Final score	33	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: No clear defined channel. Gradient and channel width could not be determined. Dewatered stream. Small, old culvert. 13:07:58			
Photos: PSCIS ID			
 2023-08-30 13:19:36 10U 497832 6060878		 2023-08-30 13:17:39 10U 497859 6060886	
 2023-08-30 13:09:25 10U 497825 6060899		 2023-08-30 13:17:09 10U 497848 6060890	
 2023-08-30 13:09:29 10U 497823 6060896		 2023-08-30 13:17:13 10U 497852 6060887	
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702446			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198697	Diameter (m)	1.5
External ID	3702959	Length (m)	12
Crew	MW MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	—
Easting	494175.8	Resemble Channel	No
Northing	6055953	Backwatered	Yes
Stream	Tributary to Weedon Creek	Percent Backwatered	100
Road	Davie-Weedon Lake FSR	Fill Depth (m)	0.5
Road Tenure	Canfor R01860	Outlet Drop (m)	0
Channel Width (m)	3.4	Outlet Pool Depth (m)	1
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Big beaver dam directly on inlet side, with beaver cage in front of dam (on upstream side). Wetland habitat downstream. Road is caved in on top of culvert. 14:07:02			
Photos: PSCIS ID			
 <p>2023-08-30 14:09:43 10U 494171 6055955</p>		 <p>2023-08-30 14:15:13 10U 494173 6055949</p>	
 <p>2023-08-30 14:10:43 10U 494170 6055962</p>		 <p>2023-08-30 14:13:09 10U 494171 6055949</p>	
 <p>2023-08-30 14:10:09 10U 494173 6055957</p>		 <p>2023-08-30 14:16:35 10U 494179 6055942</p>	
<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702959</p>			

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198698	Diameter (m)	3.5
External ID	3702445	Length (m)	25
Crew	MW MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	—
Easting	494123.6	Resemble Channel	No
Northing	6054452	Backwatered	No
Stream	Tributary to Weedon Lake	Percent Backwatered	—
Road	Davie-Weedon Lake FSR	Fill Depth (m)	1
Road Tenure	Canfor R01859	Outlet Drop (m)	0.5
Channel Width (m)	3.5	Outlet Pool Depth (m)	0.4
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	2.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	31	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Two culverts of equal length. Debris blockage on inlet side of both pipes. Some flow through culvert. Right culvert is caved in near inlet. 14:48:50			
Photos: PSCIS ID			
			
			
			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702445			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198699	Diameter (m)	0.6
External ID	3703222	Length (m)	15
Crew	MW MD JD BD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	516272.8	Resemble Channel	No
Northing	6039291	Backwatered	No
Stream	Tributary to Davie Lake	Percent Backwatered	–
Road	Davie Lake FSR	Fill Depth (m)	2
Road Tenure	MOF 7719	Outlet Drop (m)	0.6
Channel Width (m)	2.3	Outlet Pool Depth (m)	0.4
Stream Slope (%)	3.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	39	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Big outlet drop with big outlet pool. Perched culvert, small, overgrown stream channel. 16:40:11			
Photos: PSCIS ID			
			
			
			

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3703222

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-30	Crossing Sub Type	Bridge
PSCIS ID	198700	Diameter (m)	14
External ID	24743865	Length (m)	3
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	513403.2	Resemble Channel	–
Northing	6047517	Backwatered	–
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Davie Lake FSR	Fill Depth (m)	–
Road Tenure	Winton R02864	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	–

Location and Stream Data	.	Crossing Characteristics
Comments: High habitat value. Good flowing stream. 17:28:58		
Photos: PSCIS ID		
		
		
		

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.24743865

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198701	Diameter (m)	0.5
External ID	3703203	Length (m)	15
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	514487	Resemble Channel	No
Northing	6042441	Backwatered	No
Stream	Tributary to Davie Lake	Percent Backwatered	–
Road	Davie Lake FSR	Fill Depth (m)	3.5
Road Tenure	MOF 7719	Outlet Drop (m)	0
Channel Width (m)	1.2	Outlet Pool Depth (m)	0
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Low	Valley Fill	Deep Fill
Final score	29	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Dewatered channel. Very overgrown and no clear channel. Channel width and gradient estimated. 17:53:54			
Photos: PSCIS ID			
 <p>2023-08-30 17:46:15 10U 514522 6042423</p>	<p>•</p>	 <p>2023-08-30 17:58:27 10U 514492 6042447</p>	<p>-</p>
 <p>2023-08-30 17:56:21 10U 514479 6042434</p>		 <p>2023-08-30 17:58:18 10U 514493 6042448</p>	
 <p>2023-08-30 17:56:24 10U 514479 6042435</p>		 <p>2023-08-30 17:57:18 10U 514480 6042437</p>	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3703203

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198702	Diameter (m)	1
External ID	2200301	Length (m)	26
Crew	AI JD TS BP	Embedded	No
UTM Zone	10	Depth Embedded (m)	—
Easting	490978.8	Resemble Channel	No
Northing	6075927	Backwatered	No
Stream	Tributary to Hammett Creek	Percent Backwatered	—
Road	Carp Lake FSR	Fill Depth (m)	2.5
Road Tenure	Canfor R01860	Outlet Drop (m)	0.55
Channel Width (m)	3	Outlet Pool Depth (m)	0.6
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	4
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	39	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Stream dry at the time of assessment. This is a larger system during runoff with abundant gravels present suitable for rainbow spawning. Old pipe located downstream of the crossing proximately 20 m. Healthy riparian mixed forest. 13:18:06			
Photos: PSCIS ID			
 2023-08-30 13:23:45 10U 491031 6075931		 2023-08-30 13:25:37 10U 490977 6075911	
 2023-08-30 13:25:33 10U 490977 6075911		 2023-08-30 13:30:06 10U 490993 6075935	
 2023-08-30 13:25:47 10U 490977 6075911		 2023-08-30 13:32:21 10U 490993 6075938	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200301

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-30	Crossing Sub Type	Ford
PSCIS ID	198703	Diameter (m)	–
External ID	2201739	Length (m)	–
Crew	AI	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	491687.3	Resemble Channel	–
Northing	6075171	Backwatered	–
Stream	Tributary to Hammett Creek	Percent Backwatered	–
Road	Carp Lake FSR	Fill Depth (m)	–
Road Tenure	Canfor R01860	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Ford. Deep deactivation will block all ATV access. 13:47:04			
Photos: PSCIS ID			
 <p>2023-08-30 13:49:02 10U 491673.6075180</p>	 <p>2023-08-30 13:49:26 10U 491673.6075180</p>	 <p>2023-08-30 13:49:13 10U 491673.6075180</p>	 <p>2023-08-30 13:49:19 10U 491673.6075180</p>
 <p>2023-08-30 13:49:26 10U 491673.6075180</p>	 <p>2023-08-30 13:49:12 10U 491673.6075180</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2201739</p>	

Location and Stream Data		Crossing Characteristics	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198704	Diameter (m)	1.2
External ID	2200987	Length (m)	22
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	491638.9	Resemble Channel	No
Northing	6072901	Backwatered	No
Stream	Tributary to Hammett Creek	Percent Backwatered	–
Road	Davie-War FSR	Fill Depth (m)	2
Road Tenure	Canfor R01860	Outlet Drop (m)	0
Channel Width (m)	1	Outlet Pool Depth (m)	0
Stream Slope (%)	5.5	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	4
Habitat Value	Low	Valley Fill	Deep Fill
Final score	23	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Small stream with dry, mostly vegetated channel indicating stream rarely flows. Very unlikely that fish try to access upstream of the road. 14:08:49			
Photos: PSCIS ID			
 <p>2023-08-30 14:01:12 10U 491661 6072896</p>	 <p>2023-08-30 14:12:54 10U 491641 6072899</p>	 <p>2023-08-30 14:02:35 10U 491650 6072908</p>	 <p>2023-08-30 14:08:18 10U 491638 6072892</p>
 <p>2023-08-30 14:08:24 10U 491638 6072892</p>	 <p>2023-08-30 14:02:54 10U 491651 6072918</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200987</p>	

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-30	Crossing Sub Type	Ford
PSCIS ID	198705	Diameter (m)	–
External ID	3702614	Length (m)	–
Crew	AI TS	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	496782.7	Resemble Channel	–
Northing	6054763	Backwatered	–
Stream	Tributary to Weedon Lake	Percent Backwatered	–
Road	Davie-Weedon Lake FSR	Fill Depth (m)	–
Road Tenure	Winton R02864	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	–

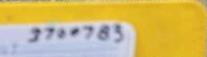
Location and Stream Data	•	Crossing Characteristics	-
Comments: Ford. Deactivated road with ATV drive around. 15:39:47			
Photos: PSCIS ID			
	2023-08-30 15:33:11 10U 496787 6054759		2023-08-30 15:38:56 10U 496782 6054768
	2023-08-30 15:33:53 10U 496787 6054759		2023-08-30 15:37:38 10U 496781 6054761
	2023-08-30 15:33:23 10U 496787 6054759		2023-08-30 15:33:35 10U 496787 6054759
From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702614			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198706	Diameter (m)	1.75
External ID	3702455	Length (m)	55
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	495632.4	Resemble Channel	No
Northing	6051512	Backwatered	No
Stream	Tributary to Weedon Lake	Percent Backwatered	–
Road	David-Weedon Lake FSR	Fill Depth (m)	5
Road Tenure	Winton R02864	Outlet Drop (m)	0.25
Channel Width (m)	10	Outlet Pool Depth (m)	0.4
Stream Slope (%)	0	Inlet Drop	Yes
Beaver Activity	Yes	Slope (%)	0
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	27	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	16

Location and Stream Data	•	Crossing Characteristics	-
Comments: Large wetland areas, upstream and downstream. Culvert appears to have settled in the middle with raised inlet and outlet. Beaverdam over 1 m high located just upstream of inlet. 16:05:32			
Photos: PSCIS ID			
 <p>2023-08-30 15:57:57 10U 495639 6051473</p>	 <p>2023-08-30 16:05:12 10U 495615 6051483</p>	 <p>2023-08-30 15:59:37 10U 495656 6051525</p>	 <p>2023-08-30 16:10:15 10U 495615 6051487</p>
 <p>2023-08-30 16:05:20 10U 495615 6051483</p>	 <p>2023-08-30 16:05:20 10U 495615 6051483</p>		

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702455

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-30	Crossing Sub Type	Bridge
PSCIS ID	198707	Diameter (m)	13
External ID	3700783	Length (m)	5
Crew	AI	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	512463.2	Resemble Channel	–
Northing	6047487	Backwatered	–
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Davie Lake FSR	Fill Depth (m)	–
Road Tenure	Winton R02864	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Good flowing stream with abundant gravels. 17:30:20			
Photos: PSCIS ID			
 2023-08-30 17:31:39 10U 512462 6047490	 2023-08-30 17:32:45 10U 512462 6047490	 LLM070	 2023-08-30 17:32:22 10U 512462 6047490
 2023-08-30 17:32:10 10U 512462 6047490	 LLM070	 2023-08-30 17:31:48 10U 512462 6047490	 2023-08-30 17:31:55 10U 512462 6047490
 2023-08-30 17:31:48 10U 512462 6047490	 LLM070	 2023-08-30 17:31:55 10U 512462 6047490	

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700783

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-30	Crossing Sub Type	Round Culvert
PSCIS ID	198708	Diameter (m)	1
External ID	3703210	Length (m)	13
Crew	AI	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	515195.7	Resemble Channel	No
Northing	6040682	Backwatered	No
Stream	Tributary to Davie Lake	Percent Backwatered	–
Road	David Lake FSR	Fill Depth (m)	1
Road Tenure	MOF 7719	Outlet Drop (m)	0
Channel Width (m)	2.4	Outlet Pool Depth (m)	0.3
Stream Slope (%)	0.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	1.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-		
Comments: Abundant gravel downstream. Minimal flow but channel is well defined indicating it flows for most of the year. Crossing modelled as just upstream a couple hundred metres does not exist, and should be entered into bcfishpass. 17:53:50					
Photos: PSCIS ID					
 <p>2023-08-30 17:55:55 10U 515183 6040665</p>	 <p>2023-08-30 17:59:26 10U 515194 6040678</p>	 <p>2023-08-30 17:56:35 10U 515186 6040684</p>	 <p>2023-08-30 17:59:21 10U 515183 6040679</p>		
 <p>2023-08-30 18:16:27 10U 515153 6040659</p>	 <p>2023-08-30 18:01:58 10U 515203 6040669</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3703210</p>			

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	198709	Diameter (m)	3.6
External ID	3703209	Length (m)	12
Crew	MW TS JD BP	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	518240.9	Resemble Channel	No
Northing	6034399	Backwatered	No
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Davie Lake FSR	Fill Depth (m)	0.6
Road Tenure	MOF 7719	Outlet Drop (m)	0
Channel Width (m)	4	Outlet Pool Depth (m)	0
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	2
Habitat Value	Low	Valley Fill	Deep Fill
Final score	18	Barrier Result	Potential
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics
Comments: Three pipes. Stream is completely dewatered. No water flowing through culvert. Culvert diameter totaled between three. 10:20:43		
Photos: PSCIS ID		
 <p>2023-08-31 10:11:46 10U 518234 6034403</p>		 <p>2023-08-31 10:16:02 10U 518237 6034407</p>
 <p>2023-08-31 10:12:38 10U 518231 6034394</p>		 <p>2023-08-31 10:16:29 10U 518243 6034411</p>
 <p>2023-08-31 10:12:47 10U 518232 6034398</p>		 <p>2023-08-31 10:16:12 10U 518244 6034411</p>
<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3703209</p>		

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-31	Crossing Sub Type	Bridge
PSCIS ID	198710	Diameter (m)	19.6
External ID	2200799	Length (m)	4
Crew	MW TS JD BP	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	499080.3	Resemble Channel	–
Northing	6094095	Backwatered	–
Stream	Tributary to McLeod Lake	Percent Backwatered	–
Road	Spur	Fill Depth (m)	–
Road Tenure	Unclassified	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Huge beaver wetland complex just upstream of crossing. Dams on both sides of crossing. Old bridge that is separated in the middle, impassable by vehicle. 14:09:51			
Photos: PSCIS ID			
 <p>2023-08-31 13:21:38 10U 499089 6094089</p>	 <p>2023-08-31 13:18:02 10U 499079 6094109</p>	 <p>2023-08-31 13:18:08 10U 499080 6094110</p>	 <p>2023-08-31 13:21:42 10U 499083 6094097</p>
 <p>2023-08-31 13:36:29 10U 499145 6094056</p>	 <p>2023-08-31 13:21:45 10U 499083 6094097</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2200799</p>	

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	198711	Diameter (m)	1.75
External ID	3702919	Length (m)	30
Crew	AI MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	509951.7	Resemble Channel	No
Northing	6040984	Backwatered	No
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Davie-Muskeg FSR	Fill Depth (m)	4
Road Tenure	Winton R02864	Outlet Drop (m)	1.1
Channel Width (m)	4.3	Outlet Pool Depth (m)	0.65
Stream Slope (%)	2.5	Inlet Drop	Yes
Beaver Activity	No	Slope (%)	3
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	42	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	13

Location and Stream Data	•	Crossing Characteristics
Comments: Surprisingly large drainage with good flow. Huge outlet drop and pipe is in very bad shape. Extra 3 m of culvert has been added to the downstream side and is sloping the opposite direction to draining. Large amounts of algae in the channel downstream. Massive amounts of erosion in the downstream channel indicating there are very high flows during runoff. Upstream side of pipe is completely blocked by a beaver dam, creating a wetland upstream. 09:51:08		
Photos: PSCIS ID		
 <p>2023-08-31 09:49:26 10U 509969 6040964</p>	 <p>2023-08-31 10:09:23 10U 509969 6040964</p>	 <p>2023-08-31 09:54:17 10U 509958 6041002</p>
 <p>2023-08-31 10:12:37 10U 509923 6040989</p>	 <p>2023-08-31 10:12:37 10U 509923 6040989</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702919</p>

Location and Stream Data		Crossing Characteristics	
Date	2023-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	198712	Diameter (m)	1.75
External ID	3702923	Length (m)	43
Crew	AI MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	510785	Resemble Channel	No
Northing	6040578	Backwatered	No
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Davie-Muskeg FSR	Fill Depth (m)	9
Road Tenure	Winton R02864	Outlet Drop (m)	0.4
Channel Width (m)	2.7	Outlet Pool Depth (m)	0.63
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	42	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	4.5

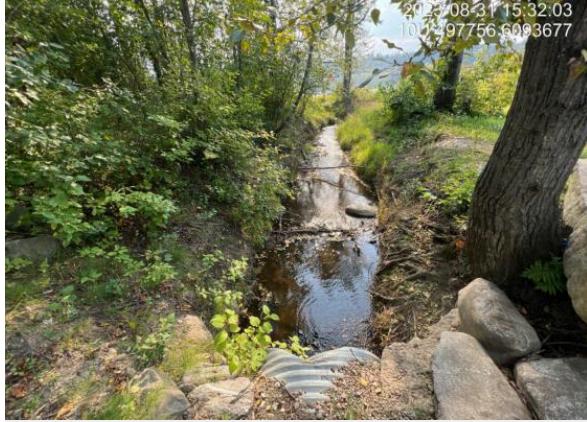
Location and Stream Data	•	Crossing Characteristics
Comments: Pipe is in extremely bad condition. There are collapsed sections at the edge of the road prism both upstream and downstream. The inlet of the pipe is elevated well above the stream surface as the centre of the pipe has been pressed down by the road fill overtime. Lots of flow must be going underneath the pipe. Large system with decent flow. Some gravels suitable for spawning downstream. 10:35:13		
Photos: PSCIS ID		
		
		
		
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702923		

Location and Stream Data		Crossing Characteristics	
Date	2023-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	198713	Diameter (m)	2.1
External ID	3702924	Length (m)	47
Crew	AI MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	511000.5	Resemble Channel	No
Northing	6040479	Backwatered	No
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Davie-Muskeg FSR	Fill Depth (m)	9
Road Tenure	Winton R02864	Outlet Drop (m)	0.2
Channel Width (m)	3.4	Outlet Pool Depth (m)	0.3
Stream Slope (%)	2	Inlet Drop	No
Beaver Activity	No	Slope (%)	3
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	37	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	4.5

Location and Stream Data	•	Crossing Characteristics	-
Comments: Low gradient wetland type habitat with fine substrates upstream. Decent size drainage with some water in the channel but no actual flow. Some gravels downstream. Pipe is separating approximately 5 m downstream from the inlet. 11:20:00			
Photos: PSCIS ID			
 <p>2023-08-31 11:21:37 10U 510999 6040477</p>	 <p>2023-08-31 11:26:57 10U 510999 6040518</p>	 <p>2023-08-31 11:34:14 10U 510990 6040455</p>	 <p>2023-08-31 11:24:26 10U 511003 6040499</p>
 <p>2023-08-31 11:34:53 10U 510989 6040462</p>	 <p>2023-08-31 11:24:36 10U 510997 6040509</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702924</p>	

Location and Stream Data		Crossing Characteristics –	
Date	2023-08-31	Crossing Sub Type	Round Culvert
PSCIS ID	198714	Diameter (m)	1.2
External ID	2023083101	Length (m)	8
Crew	AI MD	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	497758.4	Resemble Channel	No
Northing	6093674	Backwatered	No
Stream	Tributary to McLeod Lake	Percent Backwatered	–
Road	Campground Rd	Fill Depth (m)	0.5
Road Tenure	MOE	Outlet Drop (m)	0
Channel Width (m)	2.3	Outlet Pool Depth (m)	0.3
Stream Slope (%)	2	Inlet Drop	Yes
Beaver Activity	Yes	Slope (%)	5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	26	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: Small culvert within the campground area. Approximately 40 m upstream of the mouth of the lake. 15:29:22			
Photos: PSCIS ID			
 A yellow rectangular sign with black text that reads "2023083101".	2023-08-31 15:31:30 10U 497756 6093677	 A large, dark, corrugated metal culvert lying horizontally on a rocky streambed. A person stands behind it, providing a sense of scale.	2023-08-31 15:31:47 10U 497756 6093677
 A view of a small stream flowing out from under a culvert. A person stands on the bank to the right.	2023-08-31 15:31:42 10U 497756 6093677	 A view looking downstream at a small stream flowing through a rocky bed. A person is visible in the background near a campsite.	2023-08-31 15:32:26 10U 497756 6093679
 A view looking upstream at a small stream flowing through a rocky bed. A person is visible in the background near a campsite.	2023-08-31 15:32:03 10U 497756 6093677	 A view looking upstream at a small stream flowing through a rocky bed. A person is visible in the background near a campsite.	2023-08-31 15:32:03 10U 497756 6093677

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.2023083101

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-01	Crossing Sub Type	Bridge
PSCIS ID	198715	Diameter (m)	7
External ID	3701326	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	512973.3	Resemble Channel	–
Northing	6072307	Backwatered	–
Stream	Tributary to 42 Mile Creek	Percent Backwatered	–
Road	Unnamed	Fill Depth (m)	–
Road Tenure	B.C. Custom Timber Products Ltd.	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	–

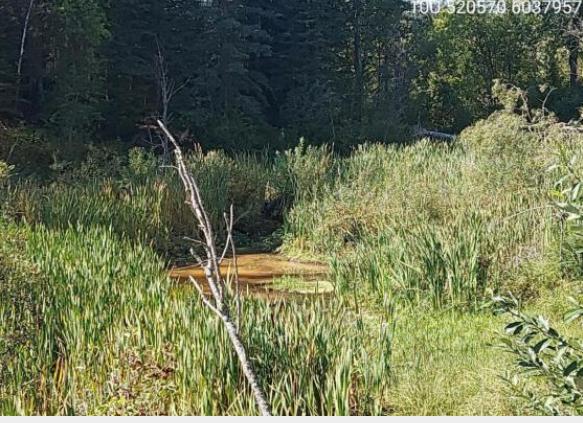
Location and Stream Data	•	Crossing Characteristics	-
Comments: Small stream with some flow. 11:37:53			
Photos: PSCIS ID			
	2023-09-01 11:36:36 10U 512977 6072304		2023-09-01 11:36:53 10U 512967 6072299
	2023-09-01 11:37:04 10U 512967 6072298		2023-09-01 11:37:04 10U 512967 6072298
	2023-09-01 11:37:02 10U 512968 6072299		2023-09-01 11:37:16 10U 512970 6072304

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701326

Location and Stream Data		Crossing Characteristics	
Date	2023-09-01	Crossing Sub Type	Round Culvert
PSCIS ID	198716	Diameter (m)	0.5
External ID	3700333	Length (m)	7
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	512837.1	Resemble Channel	No
Northing	6072245	Backwatered	No
Stream	42 Mile Creek	Percent Backwatered	–
Road	Unnamed	Fill Depth (m)	1.5
Road Tenure	B.C. Custom Timber Products Ltd.	Outlet Drop (m)	0
Channel Width (m)	1.6	Outlet Pool Depth (m)	0
Stream Slope (%)	2.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	2
Habitat Value	Low	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Very small culvert, dewatered. No well defined channel present. Channel width and slope estimated. Main flow of stream likely goes under bridge nearby. 11:52:39			
Photos: PSCIS ID			
			
			
			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700333			

Location and Stream Data		Crossing Characteristics	
Date	2023-09-01	Crossing Sub Type	Round Culvert
PSCIS ID	198717	Diameter (m)	1.2
External ID	3700192	Length (m)	15
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	520582.7	Resemble Channel	No
Northing	6037949	Backwatered	No
Stream	Tributary to Crooked River	Percent Backwatered	–
Road	Spur	Fill Depth (m)	3.5
Road Tenure	Unclassified	Outlet Drop (m)	0
Channel Width (m)	1.2	Outlet Pool Depth (m)	0
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	1
Habitat Value	Low	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics
Comments: Wetland upstream and downstream. Stream gradient estimated. No water in culvert, dewatered downstream near crossing. Blockage at inlet from beaver mud dam. Steep embankment above culvert, risk of rockslide high. Big sacks on inlet and outlet holding embankment in place. Lake chub and brassy minnow confirmed in the past near highway. 12:31:41		
Photos: PSCIS ID		
 <p>2023-09-01 12:30:54 10U 520580 6037957</p>		 <p>2023-09-01 12:34:51 10U 520588 6037958</p>
 <p>2023-09-01 12:32:22 10U 520580 6037959</p>		 <p>2023-09-01 12:36:31 10U 520574 6037961</p>
 <p>2023-09-01 12:33:10 10U 520591 6037962</p>		 <p>2023-09-01 12:38:21 10U 520570 6037957</p>
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700192		

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-01	Crossing Sub Type	Bridge
PSCIS ID	198718	Diameter (m)	13
External ID	3702076	Length (m)	5
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	521415.2	Resemble Channel	–
Northing	6018921	Backwatered	–
Stream	Teapot Creek	Percent Backwatered	–
Road	Caine Creek FSR	Fill Depth (m)	–
Road Tenure	Canfor R02852	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	–

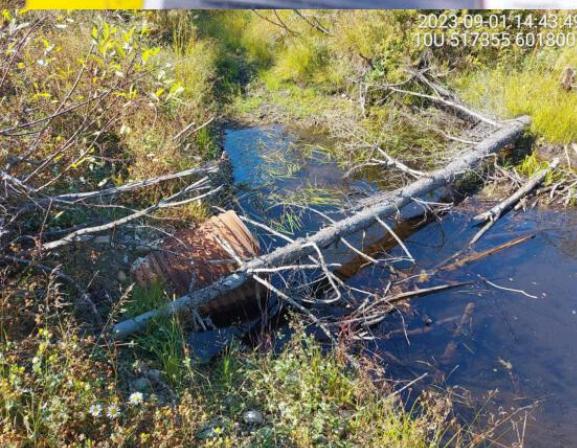
Location and Stream Data	•	Crossing Characteristics	-
Comments: Very little flow and water at time of survey. Huge downed trees on downstream side. 13:41:31			
Photos: PSCIS ID			
 2023-09-01 13:39:26 10U 521399 6018898		 2023-09-01 13:40:59 10U 521423 6018923	
 2023-09-01 13:40:14 10U 521414 6018915		 2023-09-01 13:40:35 10U 521417 6018915	
 2023-09-01 13:40:10 10U 521422 6018913		 2023-09-01 13:40:30 10U 521417 6018915	
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702076			

Location and Stream Data		Crossing Characteristics	
Date	2023-09-01	Crossing Sub Type	Round Culvert
PSCIS ID	198719	Diameter (m)	0.6
External ID	3702074	Length (m)	13
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	518848	Resemble Channel	No
Northing	6017917	Backwatered	Yes
Stream	Balsam Creek	Percent Backwatered	100
Road	Caine Creek FSR	Fill Depth (m)	1
Road Tenure	MOF 7694	Outlet Drop (m)	0
Channel Width (m)	1.2	Outlet Pool Depth (m)	0.7
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	4
Habitat Value	Low	Valley Fill	Deep Fill
Final score	26	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Culvert was in wrong location on map. It is actually located on road approximately 95m east of modelled crossing location. A lot of fry fish spotted near outlet. Culvert very rusted and near the end of its life. Small channel upstream running along road for 20m but no defined channel after that. 14:02:57			
Photos: PSCIS ID			
 2023-09-01 14:05:42 10U 518853 6017911		 2023-09-01 14:19:38 10U 518849 6017930	
 2023-09-01 14:10:19 10U 518847 6017924		 2023-09-01 14:06:26 10U 518851 6017913	
 2023-09-01 14:07:23 10U 518853 6017927		 2023-09-01 14:06:11 10U 518851 6017910	
			

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702074

Location and Stream Data		Crossing Characteristics	
Date	2023-09-01	Crossing Sub Type	Round Culvert
PSCIS ID	198720	Diameter (m)	0.7
External ID	3702077	Length (m)	12
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	517337.7	Resemble Channel	No
Northing	6018000	Backwatered	Yes
Stream	Enquist Creek	Percent Backwatered	100
Road	Caine Creek FSR	Fill Depth (m)	1.5
Road Tenure	MOF 7694	Outlet Drop (m)	0
Channel Width (m)	1.9	Outlet Pool Depth (m)	0.4
Stream Slope (%)	3	Inlet Drop	No
Beaver Activity	Yes	Slope (%)	0.5
Habitat Value	Medium	Valley Fill	Deep Fill
Final score	16	Barrier Result	Potential
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

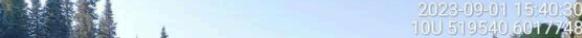
Location and Stream Data	•	Crossing Characteristics
Comments: Fry and parr spotted upstream and downstream of crossing. Culvert very rusted on inlet side. Wetland habitat upstream. Channel narrows downstream and is a little overgrown but has moderate flow. Enquist Lake located upstream. 14:41:51		
Photos: PSCIS ID		
 <p>2023-09-01 14:40:15 10U 517354 6017996</p>		 <p>2023-09-01 14:48:15 10U 517343 6017991</p>
 <p>2023-09-01 14:43:49 10U 517355 6018001</p>		 <p>2023-09-01 14:47:52 10U 517342 6017997</p>
 <p>2023-09-01 14:43:23 10U 517349 6017997</p>		 <p>2023-09-01 14:47:47 10U 517339 6017984</p>

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702077

Location and Stream Data		Crossing Characteristics	
Date	2023-09-01	Crossing Sub Type	Round Culvert
PSCIS ID	198721	Diameter (m)	0.6
External ID	3702073	Length (m)	13
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	516959.5	Resemble Channel	No
Northing	6018229	Backwatered	No
Stream	Tributary to Summit Lake	Percent Backwatered	–
Road	Caine Creek FSR	Fill Depth (m)	0.5
Road Tenure	MOF 7694	Outlet Drop (m)	0
Channel Width (m)	1.7	Outlet Pool Depth (m)	0
Stream Slope (%)	1.5	Inlet Drop	No
Beaver Activity	No	Slope (%)	2
Habitat Value	Low	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace Structure with Streambed Simulation CBS	Fix Span / Diameter	3

Location and Stream Data	•	Crossing Characteristics	-
Comments: Stream is dewatered. No clearly defined channel up or downstream. Small tree growing on inlet side, sign that there hasn't been water flowing in a long time. Channel width and slope estimated. 15:19:23			
Photos: PSCIS ID			
			
			
			
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702073			

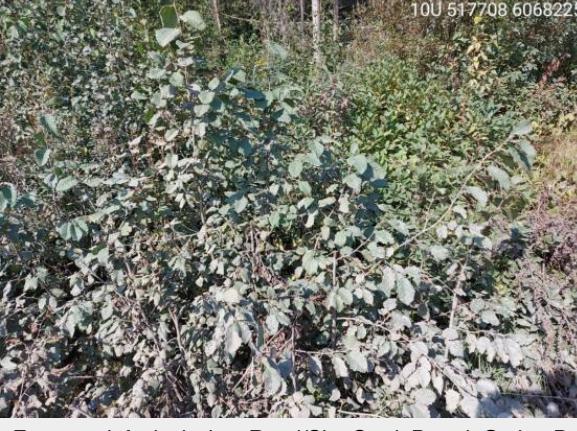
Location and Stream Data		.	Crossing Characteristics –
Date	2023-09-01	Crossing Sub Type	Bridge
PSCIS ID	198722	Diameter (m)	12
External ID	3700931	Length (m)	2
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	519546.9	Resemble Channel	–
Northing	6017742	Backwatered	–
Stream	Balsam Creek	Percent Backwatered	–
Road	Spur	Fill Depth (m)	–
Road Tenure	Unclassified	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Looks like there was once a very old bridge here. Very overgrown and rotten. Water passing underneath but not flowing. Not a fish passage issue. 15:38:42			
Photos: PSCIS ID			
			
			
		. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700931	

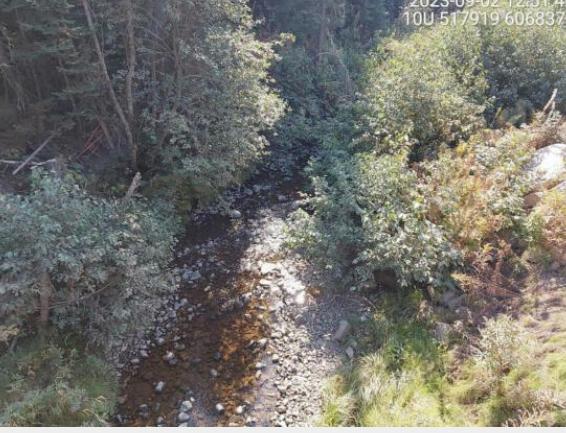
Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Round Culvert
PSCIS ID	198723	Diameter (m)	1.4
External ID	3701268	Length (m)	5
Crew	MW	Embedded	No
UTM Zone	10	Depth Embedded (m)	–
Easting	513674	Resemble Channel	No
Northing	6067268	Backwatered	Yes
Stream	Tributary to Altezega Creek	Percent Backwatered	75
Road	Spur	Fill Depth (m)	0.5
Road Tenure	Unclassified	Outlet Drop (m)	0
Channel Width (m)	2.2	Outlet Pool Depth (m)	0.4
Stream Slope (%)	1	Inlet Drop	No
Beaver Activity	No	Slope (%)	1
Habitat Value	High	Valley Fill	Deep Fill
Final score	21	Barrier Result	Barrier
Fix type	Replace with New Open Bottom Structure	Fix Span / Diameter	14

Location and Stream Data	•	Crossing Characteristics	-
Comments: Two culverts, one plastic pipe and one really old metal pipe. Metal pipe is longer, outlets are at different spots. 11:58:55			
Photos: PSCIS ID			
 <p>2023-09-02 12:00:31 10U 513670 6067264</p>	 <p>2023-09-02 11:57:08 10U 513672 6067263</p>	 <p>2023-09-02 12:04:50 10U 513677 6067268</p>	 <p>2023-09-02 11:51:51 10U 513671 6067260</p>
 <p>2023-09-02 11:58:16 10U 513677 6067266</p>	 <p>2023-09-02 12:06:04 10U 513677 6067272</p>	<p>. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701268</p>	

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Bridge
PSCIS ID	198724	Diameter (m)	8
External ID	3702414	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	517706.7	Resemble Channel	–
Northing	6068217	Backwatered	–
Stream	Tributary to Altezega Creek	Percent Backwatered	–
Road	Firth Lake FSR	Fill Depth (m)	–
Road Tenure	MOF 8385	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	–

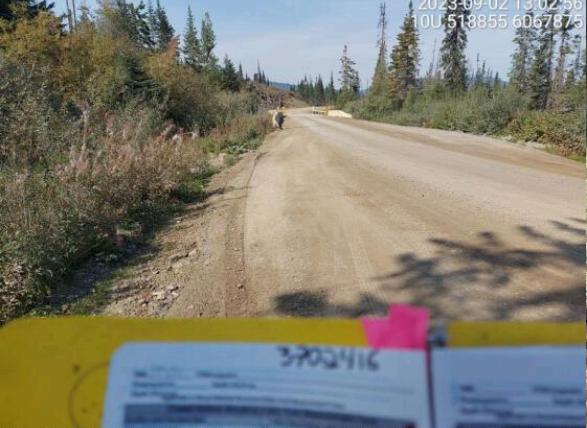
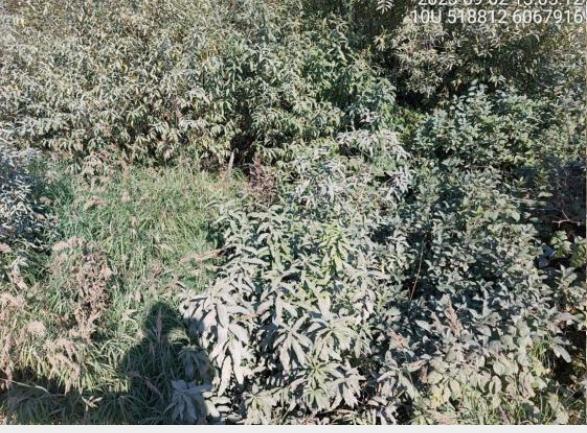
Location and Stream Data	•	Crossing Characteristics	-		
Comments: No water flowing under bridge at time of survey. Dewatered downstream. 12:46:41					
Photos: PSCIS ID					
 2023-09-02 12:44:08 10U 517696 6068212	 2023-09-02 12:45:32 10U 517704 6068220	 2023-09-02 12:44:45 10U 517705 6068223	 2023-09-02 12:44:28 10U 517706 6068215		
 2023-09-02 12:44:51 10U 517708 6068225	 2023-09-02 12:44:33 10U 517707 6068216	. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702414			

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Bridge
PSCIS ID	198725	Diameter (m)	16
External ID	3702410	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	517910.6	Resemble Channel	–
Northing	6068378	Backwatered	–
Stream	Altezega Creek	Percent Backwatered	–
Road	Firth Lake FSR	Fill Depth (m)	–
Road Tenure	MOF 8385	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	–

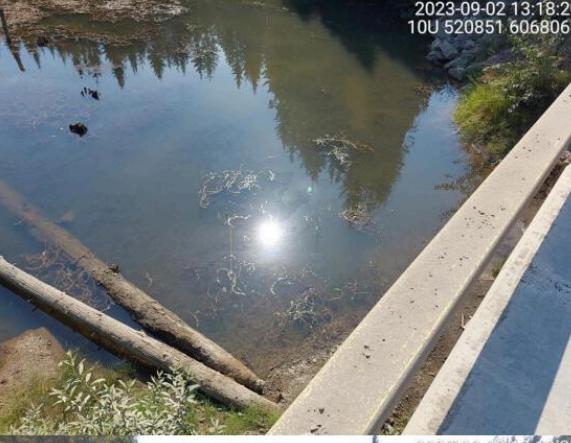
Location and Stream Data	•	Crossing Characteristics	-
Comments: Nice looking stream with good flow. 12:52:35			
Photos: PSCIS ID			
	2023-09-02 12:51:22 10U 517911 6068372		2023-09-02 12:50:53 10U 517918 6068372
	2023-09-02 12:51:53 10U 517918 6068383		2023-09-02 12:51:38 10U 517918 6068377
	2023-09-02 12:51:55 10U 517917 6068383		2023-09-02 12:51:46 10U 517919 6068378

. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702410

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Bridge
PSCIS ID	198726	Diameter (m)	10
External ID	3702416	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	518807.9	Resemble Channel	–
Northing	6067912	Backwatered	–
Stream	Tributary to Altezega Creek	Percent Backwatered	–
Road	Firth Lake FSR	Fill Depth (m)	–
Road Tenure	MOF 8385	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	–

Location and Stream Data	.	Crossing Characteristics	-
Comments: Dewatered stream at time of survey. 13:05:36			
Photos: PSCIS ID			
	2023-09-02 13:02:56 10U 518855 6067875		2023-09-02 13:04:06 10U 518810 6067913
	2023-09-02 13:05:05 10U 518811 6067914		2023-09-02 13:04:06 10U 518810 6067913
	2023-09-02 13:05:12 10U 518812 6067915		2023-09-02 13:04:11 10U 518809 6067912
From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702416			

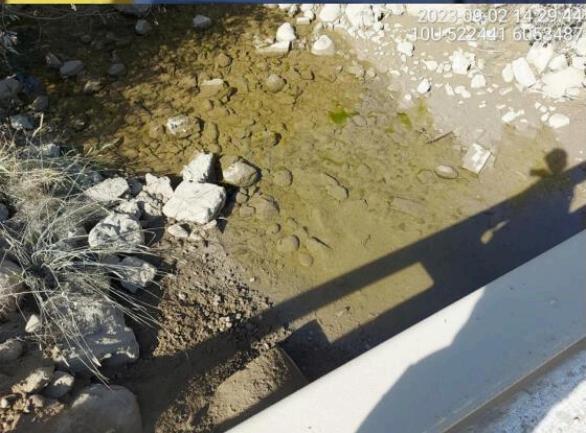
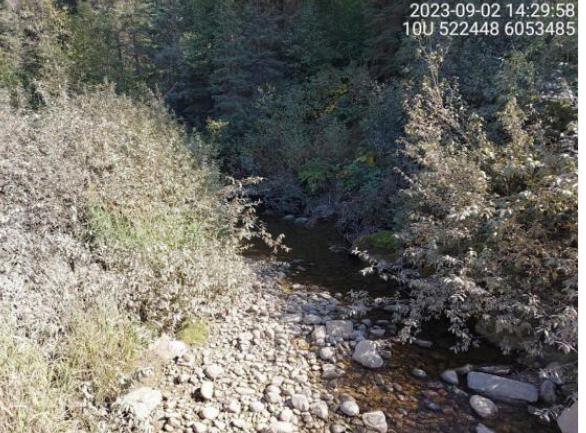
Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Bridge
PSCIS ID	198727	Diameter (m)	17
External ID	3701315	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	520855.7	Resemble Channel	–
Northing	6068064	Backwatered	–
Stream	Tributary to Altezega Creek	Percent Backwatered	–
Road	Firth Lake FSR	Fill Depth (m)	–
Road Tenure	Canfor R01860	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Wetland upstream and downstream. No flowing water under bridge. 13:15:29			
Photos: PSCIS ID			
	•		-
	•		-
	•		-
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3701315			

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Bridge
PSCIS ID	198728	Diameter (m)	16
External ID	3700214	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	525275.5	Resemble Channel	–
Northing	6068222	Backwatered	–
Stream	Redrocky Creek	Percent Backwatered	–
Road	Firth Lake FSR	Fill Depth (m)	–
Road Tenure	Canfor R01860	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	–

Location and Stream Data	•	Crossing Characteristics
Comments: Small lake upstream. Modelled crossing was in wrong location. 13:32:39		
Photos: PSCIS ID		
 A photograph showing a yellow and black striped barrier on the left, a concrete road surface, and a wooden railing on the right. The date and time stamp in the top right corner reads "2023-09-02 13:34:43" and "10U 525282 6068224".	 A photograph showing a yellow metal guardrail on the left, a concrete road surface, and a wooden railing on the right. The date and time stamp in the top right corner reads "2023-09-02 13:35:04" and "10U 525284 6068224".	
 A photograph showing a concrete road surface on the left, a small stream or outlet on the right, and a wooden railing in the background. The date and time stamp in the top right corner reads "2023-09-02 13:36:21" and "10U 525272 6068225".	 A photograph showing a concrete road surface on the left, a small stream or outlet on the right, and a wooden railing in the background. The date and time stamp in the top right corner reads "2023-09-02 13:36:01" and "10U 525272 6068218".	
 A photograph showing a concrete road surface on the left, a small stream or inlet on the right, and a wooden railing in the background. The date and time stamp in the top right corner reads "2023-09-02 13:36:20" and "10U 525282 6068225".	 A photograph showing a concrete road surface on the left, a small stream or inlet on the right, and a wooden railing in the background. The date and time stamp in the top right corner reads "2023-09-02 13:36:04" and "10U 525272 6068218".	
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3700214		

Location and Stream Data		Crossing Characteristics –	
Date	2023-09-02	Crossing Sub Type	Bridge
PSCIS ID	198729	Diameter (m)	10
External ID	3702575	Length (m)	4
Crew	MW	Embedded	–
UTM Zone	10	Depth Embedded (m)	–
Easting	522445.5	Resemble Channel	–
Northing	6053489	Backwatered	–
Stream	Lincoln Creek	Percent Backwatered	–
Road	Chuchinka-Red Rocky FSR	Fill Depth (m)	–
Road Tenure	MOF 5506	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	–

Location and Stream Data	•	Crossing Characteristics	-
Comments: Nice stream with lots of water at time of survey. 14:30:26			
Photos: PSCIS ID			
	2023-09-02 14:29:38 10U 522439 6053484		2023-09-02 14:30:19 10U 522440 6053487
	2023-09-02 14:29:40 10U 522441 6053487		2023-09-02 14:29:55 10U 522448 6053486
	2023-09-02 14:29:50 10U 522444 6053488		2023-09-02 14:29:58 10U 522448 6053485
. From top left clockwise: Road/Site Card, Barrel, Outlet, Downstream, Upstream, Inlet.3702575			