CK-2454
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NORRISH 8.4km

2020 Inspection

CBR iPad Offline Ver 0.33

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°14'17.99"	-122°7'27"

Crossing Name	Unknown
FSR #	10326
Branch #	1
Road Name	NORRISH
User km	8.4
Previous Load Rating (tonnes)	150
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	3000
Opening Width (mm)	3000
Inlet Cover (mm)	1000
Outlet Cover (mm)	1200
Culvert Gradient %	5
Culvert Length (m)	19

Updated Data

Latitude	Longitude
°0'0"	°0'0"

HD Diff. (m) 5481186.2 Accuracy (m)

L165 or 150 tonnes

Inspection

Date of Inspection 2020-05-27 10:27:21 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Remove the accumulated stream material at the inlet and dig a sump. The current load rating of L165 or 150 tonnes to continue.

2020-12-02

P.Eng Seal

Approach

Alignment	Fair	HC both approaches
Bridge Ahead Signs Missing	(•) 0 ( ) 1 ( ) 2	NA
Brushing Required	N	
Delineator Missing Left	(•) 0 ( ) 1 ( ) 2	NA
Delineator Missing Right	(•) 0 ( ) 1 ( ) 2	NA
Fender Condition	Good	
Posted Load Rating		Not posted
Road Surface	Good	

Abutment

Log/Timber Cribs	
Tie Backs	
Bin Wall	
Pier	
Concrete	
Caps or Sills	
Piles or Posts	
Ballast Wall	
Wing Wall	
Bracing	
Hardware	
Fill	
Riprap	
Bearings	
Corrosion Protection	

Culvert

Baffles		
Bolted Connections		
Coating	Fair	
Coupled Connections	Good	
Embedment Materials		
Fill	Good	
Floor	Fair	Minor corrosion
Footing		
Head Walls		
Inlet	Poor	Approx 50% end area blocked by aggraded material
Outlet	Good	
Overall	Fair	Culvert is functioning but inlet 50% plugged
Rip Rap	Good	
Roof	Good	
Sidewalls	Good	
Trash Rack		
Weirs/Backwater Structures		
Wing Walls		

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2.0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

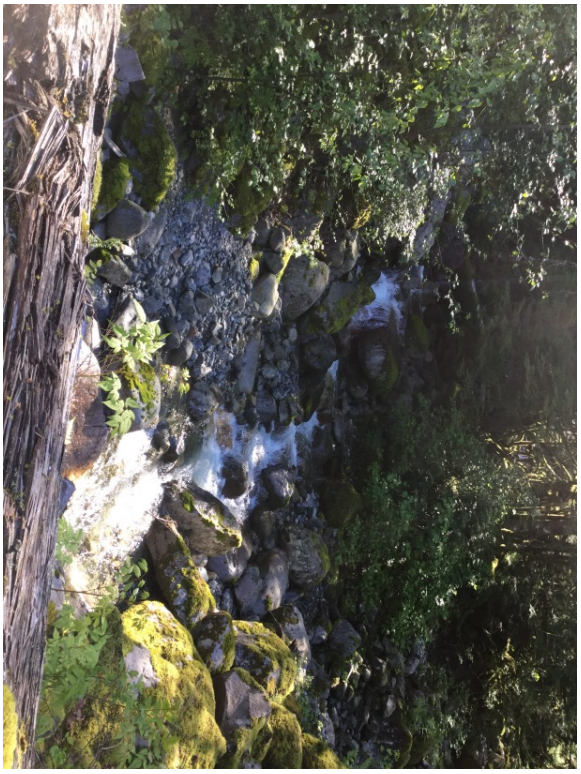
Repairs and Monitoring

	Repair Item	Repair Description
1	Channel. Remove Aggraded Material. . Priority:High	Remove aggraded material from inlet and create sump
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

Approach from Right Bank when facing downstream

Downstream from Crossing



Upstream from Crossing

Approach from Left Bank when facing downstream

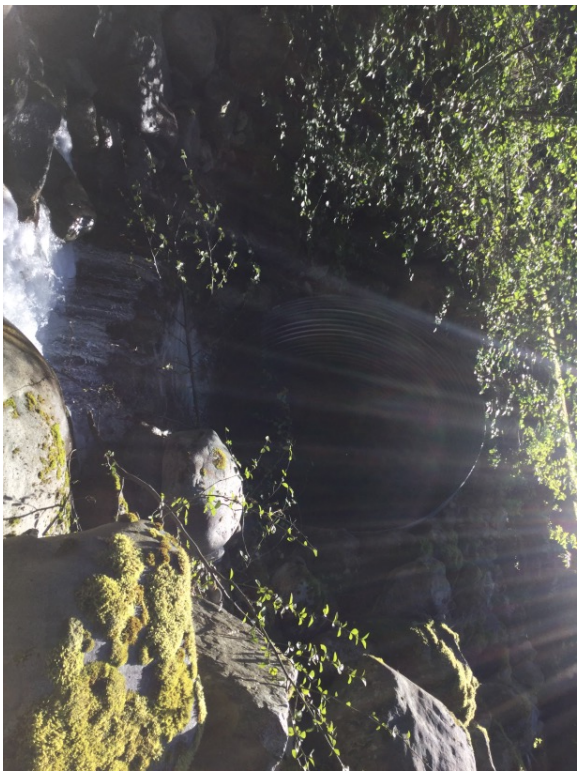
Inlet

Inlet

Outlet

Inlet

Outlet



Looking through culvert from outlet