CK-2520
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LOST CREEK km

2022 Inspection

CBR iPad Offline Ver 0.36

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°17'33.6"	-122°13'44.9"

Site Status	Active
Insp. Status	Inspect
Crossing Name	Side Creek
FSR #	8466
Branch #	1
Road Name	LOST CREEK
User km	
Previous Load Rating (tonnes)	91
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2400
Opening Width (mm)	2400
Inlet Cover (mm)	700
Outlet Cover (mm)	1000
Culvert Gradient %	
Culvert Length (m)	16

Updated Data

Latitude	Longitude
49°17'34"	-122°13'45.45"

HD Diff. (m)	16.7	Accuracy (m)	6

Inspection

Date of Inspection: 2022-09-01 12:55:40 PM

Inspector Name: Cameron VandenBrink, EIT

Recommended Next Inspection: 2024

Inspection Company: Chartwell Resource Group Ltd

Inspector Comments

P.Eng Comments

Load Rated by: MoF, M.Lowe, RPF, PEng, February 16, 2023
Load Rating: 91 Tonnes GVW, L-100
Next Inspection: September 1, 2025
Comments: No issues.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA
M. A. LOWE
2023-02-17 # 45540

PERMIT TO PRACTICE: 1003022

Approach

Alignment	Fair	HC over culvert due to narrowing road running surface
Bridge Ahead Signs Missing	○ 0 ○ 1 ○ 2	
Brushing Required	N	
Delineator Missing Left	○ 0 ○ 1 ○ 2	
Delineator Missing Right	○ 0 ○ 1 ○ 2	
Fender Condition	Good	
Posted Load Rating		
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	Good
Riprap	Good
Bearings	
Corrosion Protection	

Culvert

Baffles		
Bolted Connections		
Coating	Good	
Coupled Connections	Fair	
Embedment Materials		
Fill	Good	
Floor	Fair	Infilled with 20-30cm of rock
Footing		
Head Walls		
Inlet	Good	
Outlet	Good	
Overall	Good	
Rip Rap	Good	
Roof	Good	
Sidewalls	Good	
Trash Rack		
Weirs/Backwater Structures		
Wing Walls		

Log

Log Curbs

Needle Beam

Needle Lashing/ Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment

Hazards

Estimated Present Water Level Depth (m)	0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	2	Ic	☐		

Comments: Currently stream goes subsurface 30m upstream and is subsurface to the bottom of the armoured fill slope downstream of crossing

Repairs and Monitoring

	Repair Item	Repair Description
1		
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Amount of infill.	Routine Inspection
2		
3		

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Approach from Left Bank when facing downstream

Upstream from Crossing

Downstream from Crossing

Inlet

Downstream from Crossing

Outlet