SQ-3133
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MAMQUAM 14.2km

2022 Inspection

CBR iPad Offline Ver 0.36

CBR Data

Latitude	Longitude
49°43'2.08"	-123°0'.97"

Site Status	Active
Insp. Status	Inspect
Crossing Name	Trib to Mamquam
FSR #	9283
Branch #	1
Road Name	MAMQUAM
User km	14.2
Previous Load Rating (tonnes)	150
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Steel (non-corrugated)
Opening Height (mm)	1830
Opening Width (mm)	1830
Inlet Cover (mm)	900
Outlet Cover (mm)	1000
Culvert Gradient %	8
Culvert Length (m)	11

Updated Data

Latitude	Longitude
°0'0"	°0'0"

HD Diff. (m)	5534498.6	Accuracy (m)	

Inspection

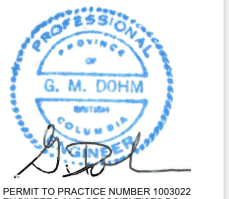
Date of Inspection	2022-09-28 1:23:24 PM	Recommended Next Inspection	2024
Inspector Name	Mitch Lowe	Inspection Company	MoF

Inspector Comments

Partially infilled culvert under old log bridge. Inlet subject to erosion. Low risk.

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 14, 2022
Load Rating: L150 or 136 tonnes
Next Inspection: 2025
Comments:



PERMIT TO PRACTICE NUMBER 1003022
ENGINEERS AND GEOSCIENTISTS BC
2022-10-17

PERMIT TO PRACTICE: 1003022

Approach

Alignment	Fair	
Bridge Ahead Signs Missing	• 0 ○ 1 ○ 2	
Brushing Required	N	
Delineator Missing Left	• 0 ○ 1 ○ 2	
Delineator Missing Right	• 0 ○ 1 ○ 2	
Fender Condition	Fair	
Posted Load Rating		
Road Surface	Fair	

Abutment

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

Culvert

Baffles		
Bolted Connections	Fair	Old riveted culvert
Coating		
Coupled Connections	N/A	Old riveted culvert
Embedment Materials		
Fill	Fair	Some erosion occurring at inlet
Floor	Fair	
Footing		
Head Walls		
Inlet	Poor	Old log bridge holding up inlet fill is rotting.
Outlet	Poor	Old log bridge holding up inlet fill is rotting.
Overall		
Rip Rap	Fair	
Roof	Fair	
Sidewalls	Fair	
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)		High Water		Debris	x
Estimated Present Water Level Width (m)		Aggradation	x	Scour	x
Estimated High Water Level Clearance		Ic			

Comments

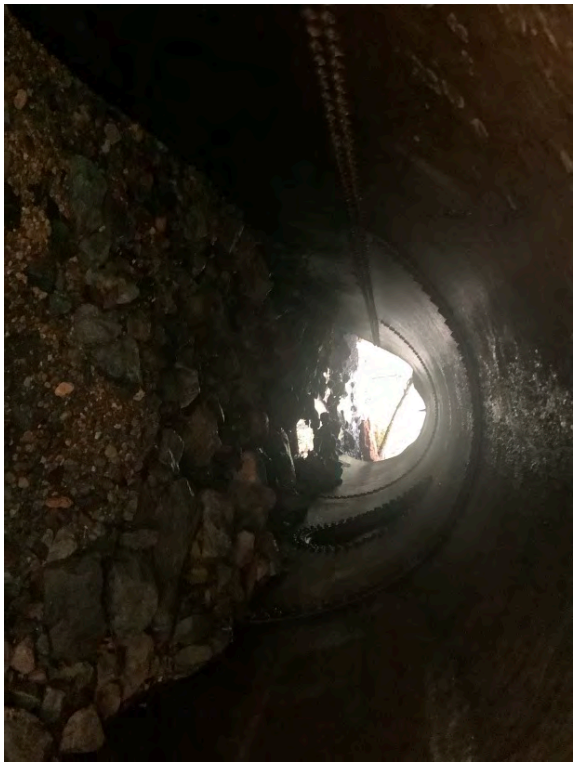
Repairs and Monitoring

	Repair Item	Repair Description
1		
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

Inlet

Inlet

Outlet

Culvert Barrel