SC-8012
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DUCK LAKE 9.9km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC

CBR Data

Latitude	Longitude
49°51'9.69"	-124°25'37.2"

Crossing Name	Mud Lake		
FSR #	3477	Branch #	01
Road Name	DUCK LAKE		
User km	9.9		
Previous Load Rating (tonnes)	150		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Concrete Slab Girders		
Deck Type	Concrete		
Abutment Left	Pile -Permanent Materials		
Abutment Right	Pile -Permanent Materials		
Spans	1		
Total Length (m)	11.7		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude
49°51'10.41"	-124°25'37.64"

HD Diff. (m)	23.8	Accuracy (m)	9

Inspection

Date of Inspection: 2021-10-05 12:07:11 PM

Inspector Name: Forrest Simpson

Recommended Next Inspection Year: 2024

Inspection Company: FLNRORD

Inspector Comments

Serial/ID Plate

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Jan 4, 2022
Load Rating: L165 or 150 tonnes
Next Inspection: 2024

P.Eng Seal

Approach

Alignment	Goo	
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		None
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete	Good	
Caps or Sills	Good	
Piles or Posts	Unrated	Not visible
Ballast Wall	Good	
Wing Wall		
Bracing		
Hardware		
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection		

Deck

Running Surface	Fair
Running Planks	
Sub Deck	
Ties	
Nails	
Deck to Girder Bolts	
Concrete Deck	Good
Grout Pockets	
Deck Joints	Good
Steel Deck Plate	
Gravel Surface	
Curb Rail/Blocks/Posts	Fair
Hand Rails/Walkouts	
Hardware	Good
Overall Deck Condition	Good
Gravel Depth (mm)	
Pier Deck	

Steel/Concrete

Girders	Good
Diaphragms	
Bracing	
Under Trussing	
Hardware	
Welded/grouted shear connectors	Good

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)	.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.2	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1	
2	
3	
4	
5	
6	
7	

Item	Monitor Description	Frequency
1		
2		
3		

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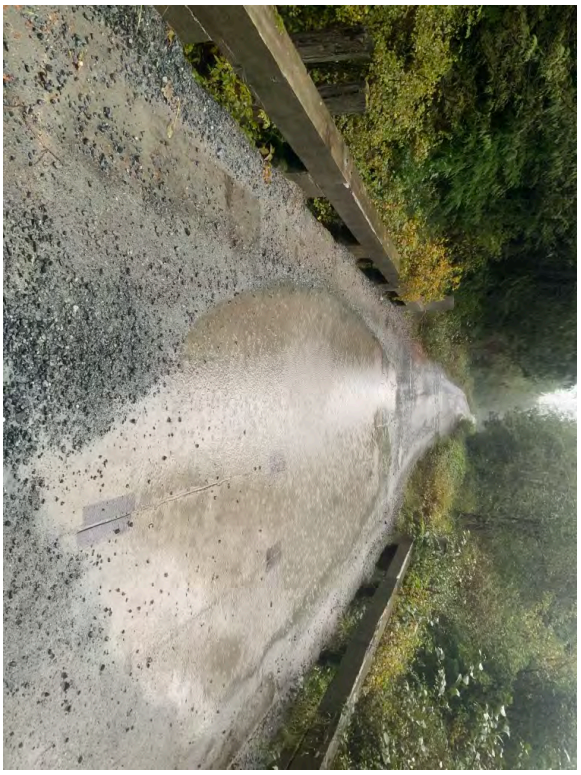
Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream



Deck

Left Bank Abutment when facing downstream

Downstream from Crossing

Right Bank Abutment when facing downstream

Upstream from Crossing

Superstructure