

SC-8014
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DUCK LAKE 11.3km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°51'42"	-124°24'37.7"
Crossing Name	Not Known
FSR #	3477
Branch #	01
Road Name	DUCK LAKE
User km	11.3
Previous Load Rating (tonnes)	150
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	15.3
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°51'42.35"	-124°24'38.44"
HD Diff. (m)	18.3
Accuracy (m)	8

Inspection

Date of Inspection 2021-10-05 11:26:37 AM

Inspector Name Forrest Simpson

Inspector Comments Serial/ID Plate

Recommended Next Inspection Year 2024

Inspection Company FLNRORD

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Jan 5, 2022
Load Rating: L165 or 150 tonnes
Next Inspection: 2024



P.Eng Seal

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Approach

Alignment Poor

Vertical and horizontal curve

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 Fair

Potholes

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Fair

Bearings Good

Corrosion Protection Good

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Deck

Running Surface Good Potholes

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets Good Where visible

Deck Joints Good

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Wood rails with metal replacement section

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Good

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware

Welded/grouted
shear connectors

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
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Hazards

Estimated Present Water Level Depth (m)	.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Approach surfacing grading. m. Priority:Low	Fill potholes both approaches

2

3

4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		

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Approach from Right Bank when facing downstream



Guard Rail



Deck



Deck

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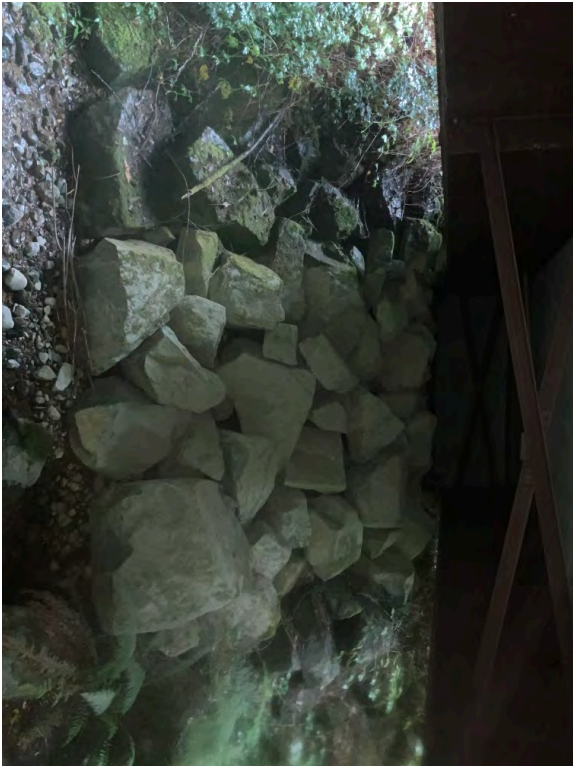
Approach from Left Bank when facing downstream



Left Bank Abutment when facing downstream



Downstream Profile



Right Bank Abutment when facing downstream

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Downstream from Crossing



Superstructure



Right Bank Abutment when facing downstream



Upstream from Crossing



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Left Bank Abutment when facing downstream



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