

SC-8011
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DUCK LAKE 11km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°51'15.19"	-124°24'34.7"
Crossing Name	Granite Creek
FSR #	3477
Branch #	03
Road Name	DUCK LAKE
User km	11
Previous Load Rating (tonnes)	150
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	10.5
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
49°51'15.33"	-124°24'33.38"
HD Diff. (m)	26.6
Accuracy (m)	7

Inspection

Date of Inspection 2021-10-05 9:57:53 AM

Inspector Name Forrest Simpson

Inspector Comments Serial/ID Plate

Riprap not well graded, large with gaps.

Recommended Next Inspection Year 2024

Inspection Company FLNRORD

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Jan 4, 2022

Load Rating: L165 or 150 tonnes

Next Inspection: 2024

Comments: Consider clearing gravel from deck to reduce water ponding.



P.Eng Seal

SC-8011
SC-8011

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y Minor

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating None

Road Surface Fair Potholes

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills Good

Piles or Posts Unrated Can't see

Ballast Wall Good

Wing Wall

Bracing

Hardware

Fill Good

Riprap Fair Very large, gaps, not toed in

Bearings Good

Corrosion Protection Unrated Can't see

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Deck

Running Surface Fair Potholes

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

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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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

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Hazards

Estimated Present Water Level Depth (m)	.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	4	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.2	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Clean Deck. # of delineators. Priority:Low	Clear deck of gravel to address water ponding

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



Right Bank Abutment when facing downstream



Deck



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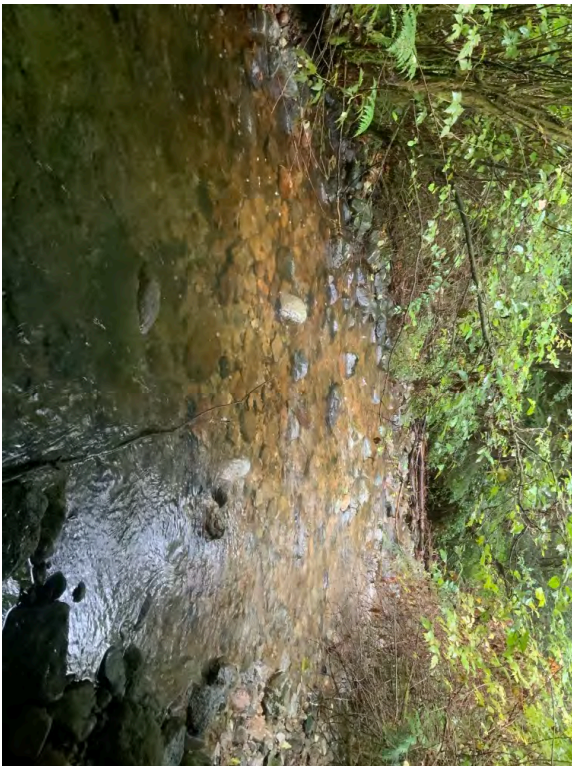
Upstream from Crossing



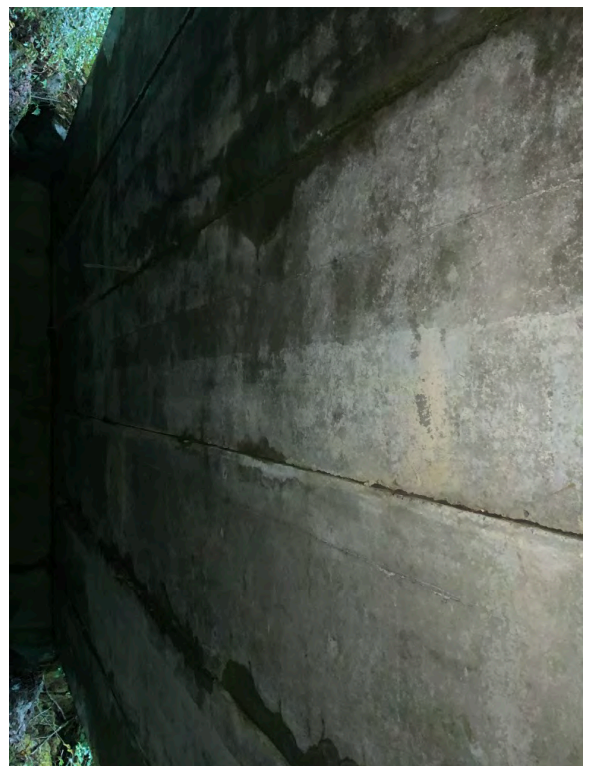
Left Bank Abutment when facing downstream



Downstream from Crossing



Superstructure



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