

SC-8015
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DUCK LAKE 12.2km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°52'.59"	-124°24'46.7"
Crossing Name	Sweetwater Creek
FSR #	3477
Branch #	01
Road Name	DUCK LAKE
User km	12.2
Previous Load Rating (tonnes)	150
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Concrete Precast
Abutment Right	Concrete Precast
Spans	1
Total Length (m)	12.1
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°52'.45"	-124°24'47.2"
HD Diff. (m)	11.0
Accuracy (m)	10

Inspection

Date of Inspection 2021-10-05 10:59:11 AM

Recommended Next Inspection Year 2024

Inspector Name Forrest Simpson

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Riprap is poorly graded, large, lots of gaps. Left bank ds fully exposed to scour at high flow. Monitor.

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 Good

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 Not visible

Ballast Wall Good

Wing Wall

Bracing

Hardware

Fill Good

Riprap Poor Large with gaps

Bearings Good

Corrosion Protection Unrated Not visible

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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 Good

Overall Deck Condition Good

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)	5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	Riprap, left bank for scour	Routine Inspection
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



Downstream from Crossing

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Upstream Profile



Left Bank Abutment when facing downstream



Superstructure



Upstream from Crossing



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