

SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°52'51.3"	-124°24'57.6"
Crossing Name	Not Known
FSR #	3477
Branch #	01
Road Name	DUCK LAKE
User km	14.1
Previous Load Rating (tonnes)	150
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	10
Deck Width (m)	5.5

Updated Data

Latitude	Longitude
49°52'51.54"	-124°24'57.69"
HD Diff. (m)	7.6
Accuracy (m)	10

Inspection

Date of Inspection 2021-10-05 10:27:50 AM

Inspector Name Forrest Simpson

Inspector Comments Serial/ID Plate

Replace guardrails.

Recommended Next Inspection Year

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

Comments: Replace guardrails.



P.Eng Seal

SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



Approach

Alignment Fair

Blind 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 None

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills Good

Piles or Posts

Ballast Wall Fair Rock filled gabion baskets

Wing Wall

Bracing

Hardware

Fill Good

Riprap Fair Minimal, small, signs of movement

Bearings Good

Corrosion Protection

SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



Deck

Running Surface **Good**

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 **Poor** Rotten rails and riser blocks

Hand Rails/Walkouts

Hardware **Poor** Loose

Overall Deck Condition **Poor** Due to guardrails

Gravel Depth (mm)

Pier Deck

SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



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

SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Full Curb Replacement. . Priority:High	Replace all guard rail components
2 Approach. Add Warning Signs. 1 # of signs. Priority:Medium	Install missing delineators
3	
4	
5	
6	
7	

Item	Monitor Description	Frequency
1		
2		
3		

SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

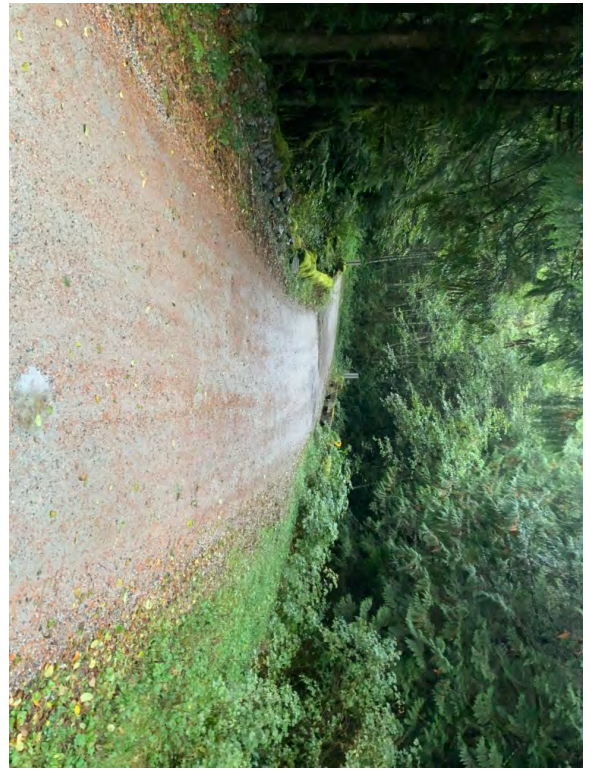
CBR iPad Offline Ver 0.34 - DSC



Guard Rail



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Deck



SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



Right Bank Abutment when facing downstream



Guard Rail



Ballast Wall



Left Bank Abutment when facing downstream



SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

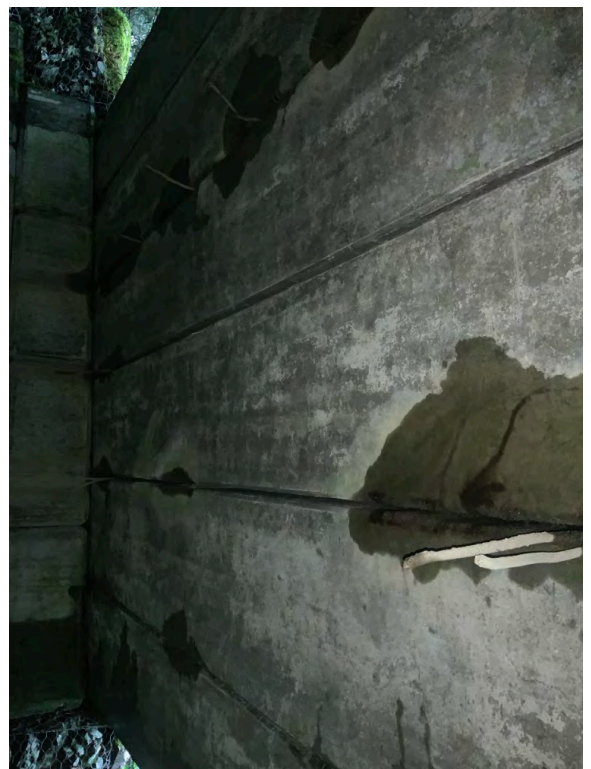
CBR iPad Offline Ver 0.34 - DSC



Downstream from Crossing



Upstream from Crossing



Superstructure

SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



SC-8016
SC-8016

DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC

