

SC-8326
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DUCK LAKE 3.44km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°48'36.9"	-124°25'10.9"
Crossing Name	Kelly Creek
FSR #	3477
Branch #	06
Road Name	DUCK LAKE
User km	3.44
Previous Load Rating (tonnes)	150
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	15.4
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°48'37.21"	-124°25'10.25"
HD Diff. (m)	16.1
Accuracy (m)	6

Inspection

Date of Inspection 2021-10-04 3:33:23 PM

Inspector Name Forrest Simpson

Recommended Next Inspection Year 2024

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Left bank exposed to scour potential at high flows. Left bank riprap is built around/on top of large stump and was not keyed in.

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 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

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Poor Left bank poor

Bearings Good

Corrosion Protection Good

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Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts **Good** Clips

Concrete Deck

Grout Pockets

Deck Joints **Fair**

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good**

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 Good

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)	.1	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.8	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	Left bank for scour	Routine Inspection

2

3

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Approach from Right Bank when facing downstream



Deck



Approach from Left Bank when facing downstream



Structure ID

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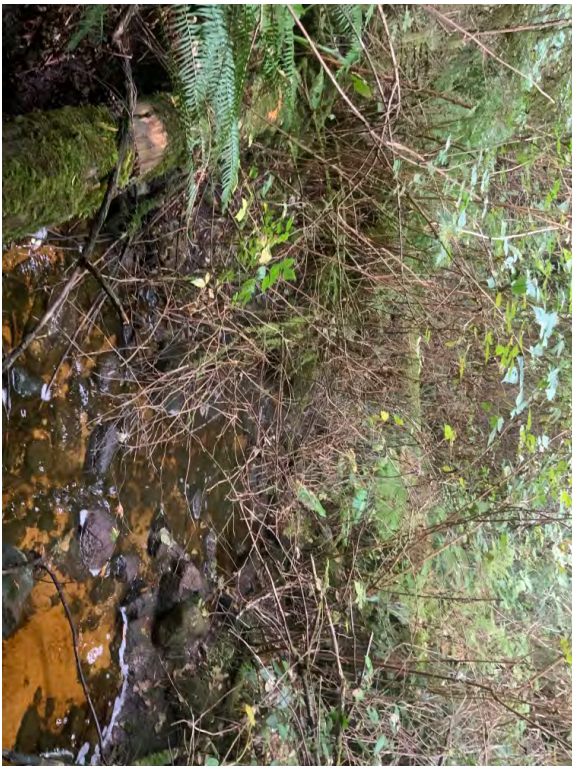
Left Bank Abutment when facing downstream



Superstructure



Upstream from Crossing



Right Bank Abutment when facing downstream



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Downstream from Crossing



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