

SC-8327  
SC-8327

DUCK LAKE 8.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



### CBR Data

|                               |                            |
|-------------------------------|----------------------------|
| Latitude                      | Longitude                  |
| 49°50'30.09"                  | -124°22'41.6"              |
| Crossing Name                 | Suicide Creek              |
| FSR #                         | 3477                       |
| Branch #                      | 03                         |
| Road Name                     | DUCK LAKE                  |
| User km                       | 8.1                        |
| Previous Load Rating (tonnes) | 136                        |
| Structure Class               | Permanent Bridge           |
| Portable                      | N                          |
| Superstructure                | Steel I-beam               |
| Deck Type                     | Concrete Removable         |
| Abutment Left                 | Steel Pipe and Precast Pad |
| Abutment Right                | Steel Pipe and Precast Pad |
| Spans                         | 1                          |
| Total Length (m)              | 14                         |
| Deck Width (m)                | 4.88                       |

### Updated Data

|              |                |
|--------------|----------------|
| Latitude     | Longitude      |
| 49°50'30.32" | -124°22'41.07" |
| HD Diff. (m) | 12.6           |
| Accuracy (m) | 7              |

### Inspection

Date of Inspection 2021-10-05 9:17:19 AM

Inspector Name Forrest Simpson

Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Riprap downstream left bank has shifted. Also does not appear to be keyed in very deep. Monitor.

### P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Jan 5, 2022  
Load Rating: L150 or 136 tonnes  
Next Inspection: 2024



P.Eng Seal

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## Approach

Alignment Fair

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 Fair

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      **Good**

Grout Pockets

Deck Joints      **Good**

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

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) .3

High Water ☐

Debris ☐

Estimated Present Water Level Width (m) 8

Aggradation ☐

Scour ☐

Estimated High Water Level Clearance (m) 2

Ice ☐

Comments

### Repairs and Monitoring

| Repair Item | Repair Description |
|-------------|--------------------|
|-------------|--------------------|

1

2

3

4

5

6

7

| Item | Monitor Description | Frequency          |
|------|---------------------|--------------------|
| 1    | Riprap left bank    | Routine Inspection |

2

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Approach from Right Bank when facing downstream



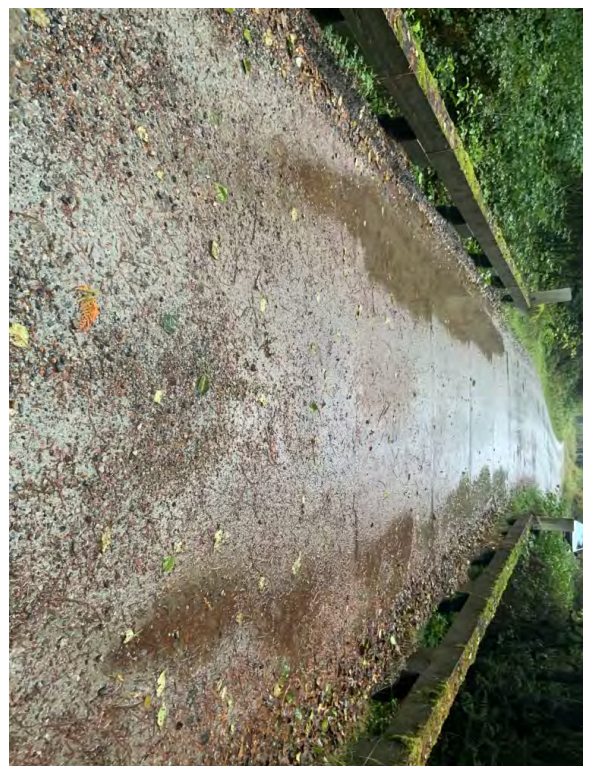
Approach from Left Bank when facing downstream



Structure ID



Deck



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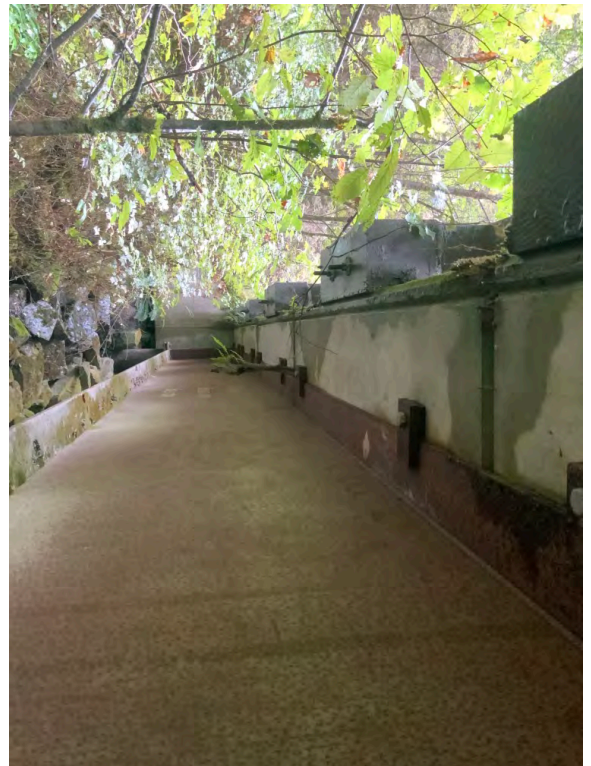
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Right Bank Abutment when facing downstream



Upstream Profile



Superstructure



Left Bank Abutment when facing downstream

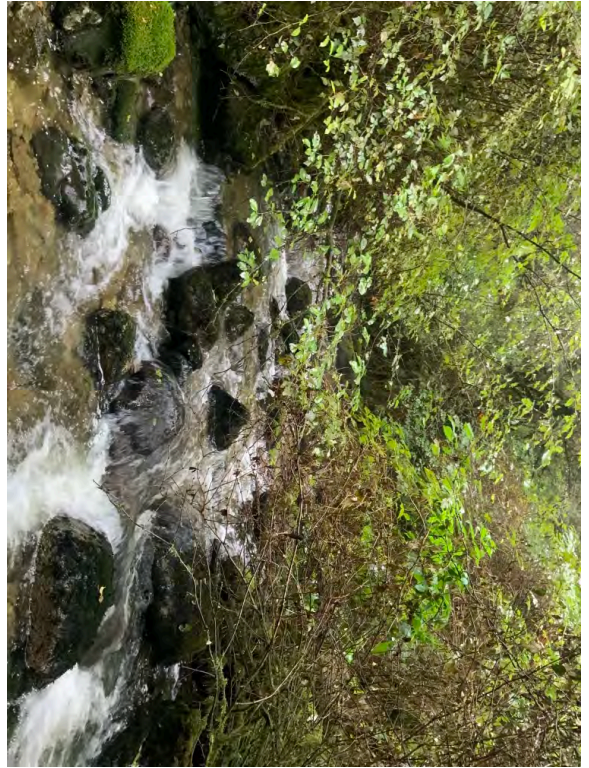


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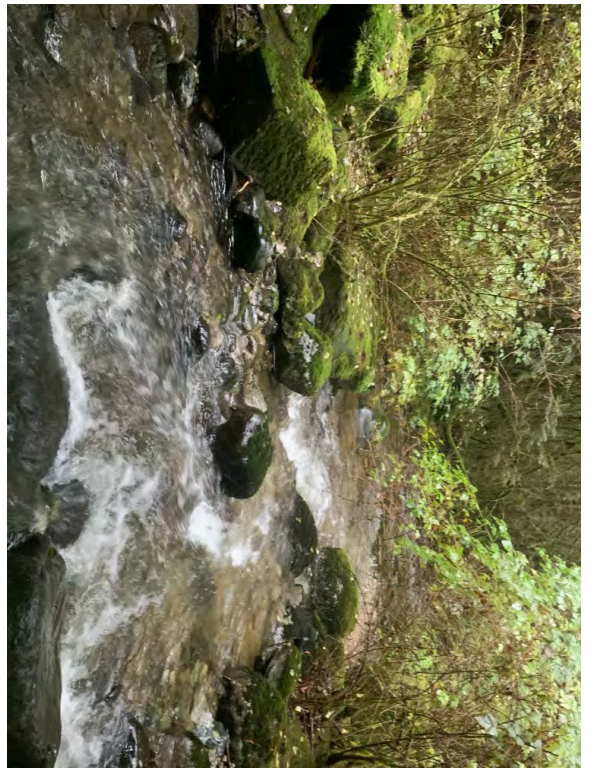
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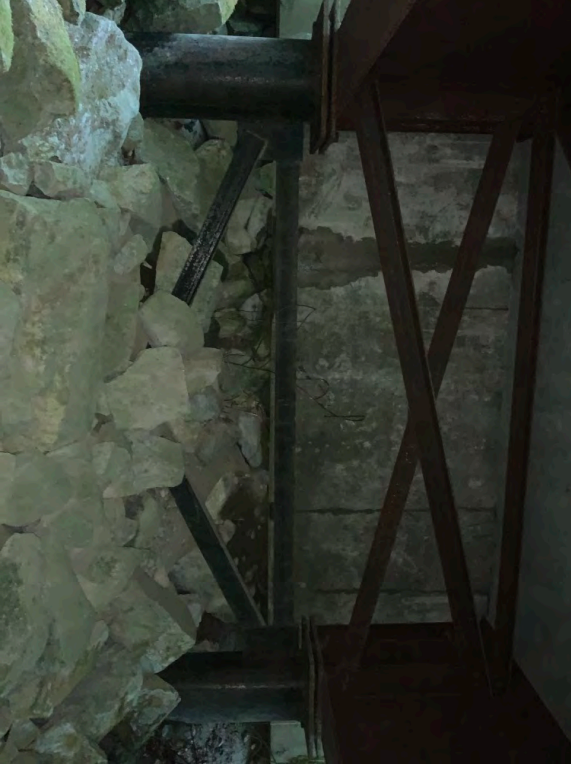
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Upstream from Crossing



Downstream from Crossing



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream

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Downstream Profile



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