

SC-8017
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DUCK LAKE 1.6km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°47'43.4"	-124°26'18.1"
Crossing Name	East Deighton Creek
FSR #	3477
Branch #	01
Road Name	DUCK LAKE
User km	1.6
Previous Load Rating (tonnes)	136
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	1600
Opening Width (mm)	1600
Inlet Cover (mm)	5000
Outlet Cover (mm)	5000
Culvert Gradient %	
Culvert Length (m)	36.6

Updated Data

Latitude	Longitude
49°47'44.08"	-124°26'19.12"
HD Diff. (m)	29.3
Accuracy (m)	5

Inspection

Date of Inspection 2021-10-04 3:12:29 PM

Inspector Name Forrest Simpson

Inspector Comments

Recommended Next Inspection Year 2024

Inspection Company FLNRORD

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 **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 **Unrated** **None, not needed**

Posted Load Rating **None**

Road Surface **Good**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware

Fill **Good**

Riprap **Good**

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections

Coating

Fair

Worn floor

Coupled Connections

Unrated

Can't access

Embedment Materials

Fill

Good

Floor

Fair

Some corrosion

Footing

Head Walls

Inlet

Good

Outlet

Good

Overall

Good

Rip Rap

Good

Roof

Good

Sidewalls

Good

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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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

Estimated Present Water Level Width (m) 3

Estimated High Water Level Clearance (m) 1.1

High Water ☐

Debris ☐

Aggradation ☐

Scour ☐

Ice ☐

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
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1

2

3

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Approach from Right Bank when facing downstream



Upstream from Crossing



Inlet



Inlet

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Downstream from Crossing



Inlet



Outlet



Outlet



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