

SC-8330
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DUCK LAKE 9km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°50'37.2"	-124°23'22.1"
Crossing Name	Sweetwater Creek
FSR #	3477
Branch #	03
Road Name	DUCK LAKE
User km	9
Previous Load Rating (tonnes)	136
Structure Class	Major Culvert
Culvert Type	Elliptical
Culvert Material	Corrugated Steel
Opening Height (mm)	2440
Opening Width (mm)	1750
Inlet Cover (mm)	1500
Outlet Cover (mm)	1500
Culvert Gradient %	
Culvert Length (m)	17

Updated Data

Latitude	Longitude
49°50'37.26"	-124°23'22.04"
HD Diff. (m)	2.2
Accuracy (m)	7
1750	
2440	

Inspection

Date of Inspection 2021-10-05 9:37:58 AM

Inspector Name Forrest Simpson

Inspector Comments

Recommended Next Inspection Year

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 Good

Bolted Connections

Coating Fair Worn floor

Coupled Connections Unrated Could not access

Embedment Materials Good

Fill Good

Floor Fair Worn coating

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)	.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.9	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.3	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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Inlet



Approach from Right Bank when facing downstream



Upstream from Crossing



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Downstream from Crossing



Outlet



Outlet



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