

CK-2449
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NORRISH 3.6km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°12'29.4"
Longitude -122°9'12.1"

Site Status Active

Insp. Status Inspect

Crossing Name Unknown

FSR # 10326 Branch # 1

Road Name NORRISH

User km 3.6

Previous Load
Rating (tonnes) 63

Structure Class Major Culvert

Culvert Type Round

Culvert Material Corrugated Steel

Opening Height (mm) 2000

Opening Width (mm) 1900

Inlet Cover (mm) 300

Outlet Cover (mm) 400

Culvert Gradient %

Culvert Length (m) 10

Updated Data

Latitude 49°12'29.18"
Longitude -122°9'11.63"

HD Diff. (m) 11.7 Accuracy (m) 7

Inspection

Date of Inspection 2022-10-21 11:51:48 AM

Inspector Name Cameron VandenBrink, EIT

Inspector Comments

Recommended Next Inspection 2024

Inspection Company Chartwell Resource Group Ltd

P.Eng Comments

Load Rated by: MoF, M.Lowe, RPF, PEng, February 16, 2023

Load Rating: 63 Tonnes GVW, BCL-625

Next Inspection: September 1, 2025

Comments: Condition does not appear to have changed from 2019 inspection.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☐ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☐ 0 ☐ 1 ☐ 2

Fender Condition

Posted Load Rating

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 Fair

Down stream left riprap has scoured away. Fill at risk. Downstream right toe is scouring, riprap still currently In place. Culvert is short, resulting in oversteepened fills on all 4 corners

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections

Coating Fair Minor corrosion on floor

Coupled Connections

Embedment Materials

Fill Fair Down stream left riprap has scoured away. Fill at risk. Downstream right toe is scouring, riprap still currently In place. Culvert is short, resulting in oversteepened fills on all 4

Floor Fair

Footing

Head Walls

Inlet Fair Minor scour beneath fill retention blocks.

Outlet Fair

Overall

Rip Rap Fair

Roof Fair Minor deformation at outlet

Sidewalls Fair

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	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.3	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance	1	lc	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Channel. Add Riprap (placed). m³. Priority:Medium	Repair downstream riprap
2 Channel. Debris removal. # of sites/items. Priority:Medium	Remove veg at inlet and construct small sump

3

4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Downstream from Crossing



Approach from Right Bank when facing downstream



Upstream from Crossing



Inlet



Inlet



Outlet



Downstream left riprap



Downstream right riprp