

SQ-3152
SQ-3152A-1

BRITANNIA CREEK 4.5km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°37'13.19"
Longitude -123°11'.98"

Site Status Active

Insp. Status Inspect

Crossing Name Mineral Creek

FSR # 8321 Branch # 1

Road Name BRITANNIA CREEK

User km 4.5

Previous Load
Rating (tonnes) 136

Structure Class Major Culvert

Culvert Type Round

Culvert Material Corrugated Steel

Opening Height (mm) 1800

Opening Width (mm) 1800

Inlet Cover (mm) 3700

Outlet Cover (mm) 5500

Culvert Gradient % 8

Culvert Length (m) 20

Updated Data

Latitude 49°37'13.08"
Longitude -123°11'.83"

HD Diff. (m) 4.8 Accuracy (m) 7

18

Inspection

Date of Inspection 2022-09-26 2:34:08 PM

Inspector Name Forrest Simpson

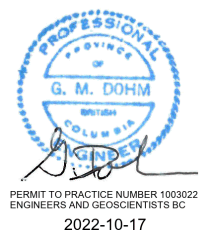
Inspector Comments
2x1800mm installed at 18%.

Recommended Next Inspection 2025

Inspection Company MoF

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 5, 2022
Load Rating: L150 or 136 tonnes
Next Inspection: 2025
Comments:



PERMIT TO
PRACTICE: 1003022

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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**

Posted Load Rating

Road Surface **Fair** **Ruts over top of culvert**

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 **Fair**

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections

Coating Fair Floor is rusted

Coupled Connections Fair

Embedment Materials

Fill Good

Floor Fair Some bulging, corrosion

Footing

Head Walls

Inlet Good

Outlet Fair Damage from fill

Overall Good

Rip Rap Fair

Roof Good

Sidewalls Good

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Log

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Stringer Number	Species	Peeled	Needle Beam to Crib (m) Diameter (mm)	Needle Diameter (mm) Rot Depth (mm)	Condition	Comment
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Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	1	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance	1.5	Ic	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	Floor for further corrosion.	Routine Inspection

2

3



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Inlet



Upstream from Crossing



Inlet



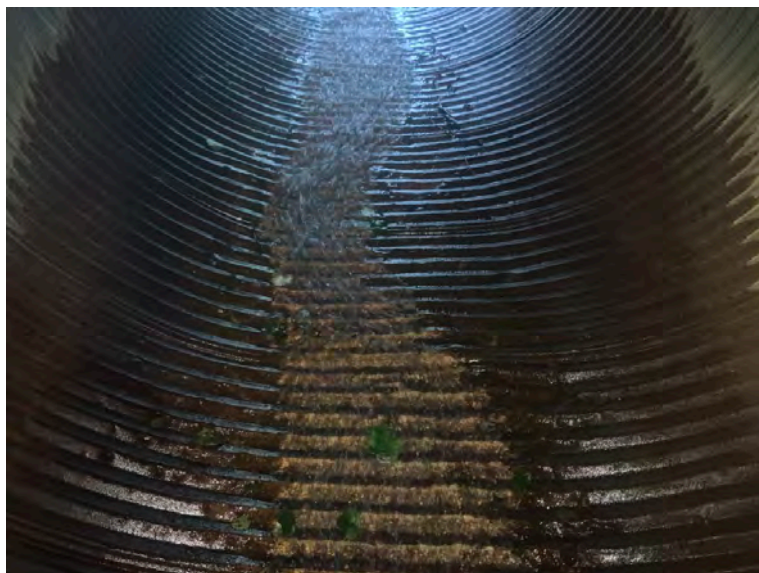
Inlet



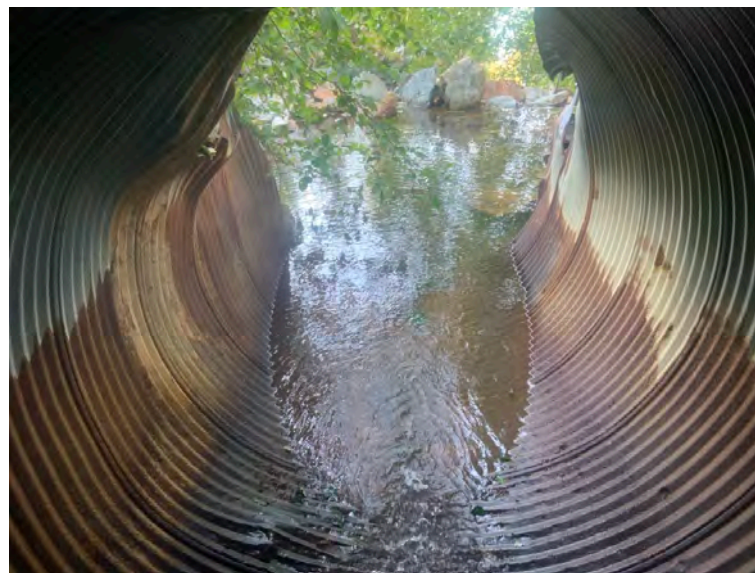
Inlet



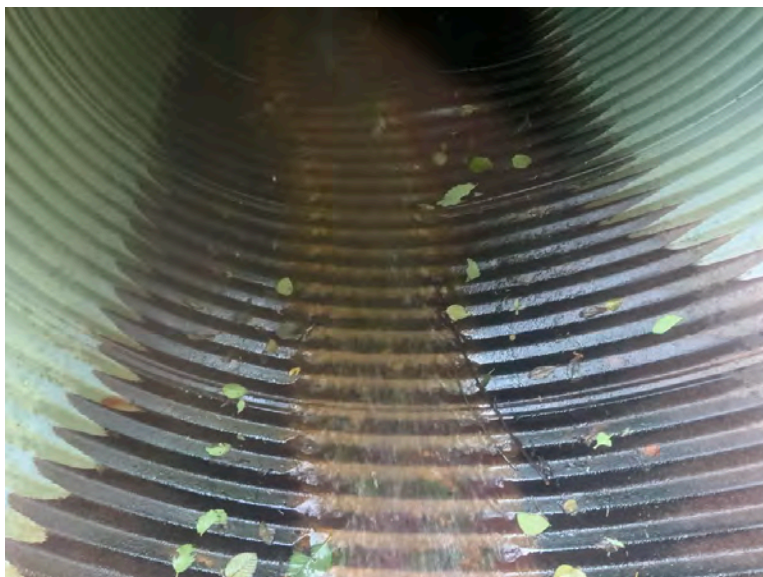
Coupled connection. Fabric sticking through



Culvert Floor



Outlet



Culvert Floor



Outlet



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Outlet



Outlet