

SQ-3157
SQ-3157A

SQUAMISH RIVER 53.9km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 50°4'16.2"
Longitude -123°20'35.6"

Site Status Active

Insp. Status Inspect

Crossing Name Mud Creek

FSR # 9160 Branch # 1

Road Name SQUAMISH RIVER

User km 53.9

Previous Load
Rating (tonnes) 150

Structure Class Major Culvert

Culvert Type Round

Culvert Material Steel (non-corrugated)

Opening Height (mm) 2400

Opening Width (mm) 2400

Inlet Cover (mm) 1000

Outlet Cover (mm) 1300

Culvert Gradient % 5

Culvert Length (m) 18.3

Updated Data

Latitude 0°0"
Longitude 0°0"

HD Diff. (m) 5573896.8 Accuracy (m)

21.1

Inspection

Date of Inspection 2022-09-26 10:49:07 AM

Inspector Name Mitch Lowe

Inspector Comments

1320mm of fill - Left Bank
1160mm of fill - Right Bank

Discuss repairs with Malcolm and Greg. Erosion will only continue to worsen over time. Appears to have old Gabon baskets that are not functioning. Old culvert buried in the fill. Post inspection comments: a long history of washouts at this site due to debris and mudflows, system condition recognized and is considered acceptable, per g.dohm

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 14, 2022
Load Rating: L165 or 150 tonnes
Next Inspection: 2023
Comments:

Recommended Next Inspection 2023

Inspection Company MoF



PERMIT TO
PRACTICE: 1003022

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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 Fair

Berms through site

Posted Load Rating

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware

Fill Poor

Inlet is not well armoured and pipes are perched at the outlet.

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections

Coating

Coupled Connections

Embedment Materials

Fill Poor Inlet is not well armoured and pipes are perched at the outlet.

Floor Fair

Footing

Head Walls

Inlet Fair Right bank culvert partially plugged. Is inlet grate serving any purpose?

Outlet Poor Poorly armoured and severely undercut. Pipes are perched.

Overall

Rip Rap Fair

Roof Fair

Sidewalls Fair Some damage, but okay.

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)

High Water

☐

Debris

☒

Estimated Present Water Level Width (m)

Aggradation

☒

Scour

☒

Estimated High Water Level Clearance

Ic

☐

Comments

Repairs and Monitoring

Repair Item

Repair Description

1

2

3

4

5

6

7

Item

Monitor Description

Frequency

1

2

3



Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Inlet



Upstream Profile



Culvert Barrel



Culvert Barrel



Outlet



Outlet