

SQ-3157
SQ-3157A

SQUAMISH RIVER 53.9km

2021 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
50°4'16.2"	-123°20'35.6"
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	Longitude
50°4'14.84"	-123°20'36.03"
HD Diff. (m)	43.1
Accuracy (m)	8

Inspection

Date of Inspection 2021-09-24 9:59:08 AM

Inspector Name Greg Dohm

Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments

Road maintainer on site about to repair recent downstream fill washout

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Oct. 14, 2021
Load Rating: L165 or 150 tonnes
Next Inspection: 2023
Comments:



P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required

Delineator Missing
Left ☐ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☐ 0 ☐ 1 ☐ 2

Fender Condition

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 Fair

Road maintainer on site about to repair recent downstream fill washout

Riprap

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections

Coating Fair

Coupled Connections

Embedment Materials

Fill Fair Road maintainer on site about to repair recent downstream fill washout

Floor Fair

Footing Fair

Head Walls

Inlet Fair

Outlet Fair

Overall Fair

Rip Rap

Roof Fair

Sidewalls

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 (m)

Ice ☐

Comments

Repairs and Monitoring

Repair Item

Repair Description

1

2

3

4

5

6

7

Item

Monitor Description

Frequency

1 Sediment buildup

Weekly

2

3



Outlet



Downstream from Crossing



Approach from Left Bank when facing downstream



Downstream from Crossing



Downstream from Crossing



Upstream from Crossing



Upstream from Crossing



Approach from Right Bank when facing downstream



Inlet



Inlet