

SQ-3159
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SQUAMISH RIVER 25.1km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
50°5'42.29"	-123°21'44.6"
Crossing Name	Terminal Creek
FSR #	9160
Branch #	1
Road Name	SQUAMISH RIVER
User km	25.1
Previous Load Rating (tonnes)	91
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Steel (non-corrugated)
Opening Height (mm)	2000
Opening Width (mm)	2000
Inlet Cover (mm)	600
Outlet Cover (mm)	1200
Culvert Gradient %	4
Culvert Length (m)	5

Updated Data

Latitude	Longitude
50°5'42.3"	-123°21'44.02"
HD Diff. (m)	11.6
Accuracy (m)	5
2400	
2400	
18.3	

Inspection

Date of Inspection 2020-09-08 10:41:33 AM

Inspector Name Gino Fournier

Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments

Culvert recently replaced after Aug 20th washout from storm event.

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 7, 2021
Load Rating: L100 or 91 tonnes
Next Inspection: 2021
Comments:



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2 None needed. Road full width

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Unrated None needed

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 N/A

Bracing

Hardware

Fill Good

Riprap N/A

Bearings

Corrosion Protection

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Culvert

Baffles N/A

Bolted Connections N/A

Coating N/A

Coupled Connections N/A

Embedment Materials N/A

Fill Good

Floor Good

Footing Unrated Not applicable.

Head Walls N/A

Inlet Good

Outlet Good

Overall Good

Rip Rap N/A

Roof N/A

Sidewalls N/A

Trash Rack N/A

Weirs/Backwater
Structures N/A

Wing Walls N/A

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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)	.3	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	0	Ice	☐		
Comments	Debris flows from Mt Cayley				

Repairs and Monitoring

Repair Item	Repair Description
1	
2	
3	
4	
5	
6	
7	

Item	Monitor Description	Frequency
1	Monitor after heavy rains for washout given amount of debris transported by this system.	Routine Inspection
2		
3		



Downstream from Crossing



Upstream from Crossing



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream

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Inlet