

SQ-3158
SQ-3158

SQUAMISH RIVER 36.6km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°56'15.69"	-123°17'57.5"
Crossing Name	High Falls Creek
FSR #	9160
Branch #	1
Road Name	SQUAMISH RIVER
User km	36.6
Previous Load Rating (tonnes)	91
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	21.3
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°56'16.55"	-123°17'57.1"
HD Diff. (m)	27.6
Accuracy (m)	5

Inspection

Date of Inspection 2020-09-08 12:35:09 PM

Inspector Name Gino Fournier

Inspector Comments Serial/ID Plate

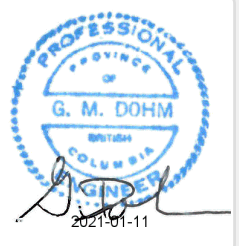
Consider downrating as rails not replaced as per last inspection

Recommended Next Inspection Year

Inspection Company FLNRORD

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 7, 2021
Load Rating: L100 or 91 tonnes
Next Inspection: 2023
Comments: Replace rotten guardrails.



P.Eng Seal

SQ-3158
SQ-3158

SQUAMISH RIVER 36.6km

2020 Inspection

CBR iPad Offline Ver 0.33



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 Good Noposts

Posted Load Rating 91

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts Fair

Ballast Wall Good

Wing Wall N/A

Bracing Good

Hardware Good

Fill Good

Riprap Good

Bearings Good

Corrosion Protection N/A

SQ-3158
SQ-3158

SQUAMISH RIVER 36.6km

2020 Inspection

CBR iPad Offline Ver 0.33



Deck

Running Surface	Good	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Good	
Grout Pockets	Good	
Deck Joints	Good	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Rotten
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Good	
Gravel Depth (mm)	0	
Pier Deck	N/A	

SQ-3158
SQ-3158

SQUAMISH RIVER 36.6km

2020 Inspection

CBR iPad Offline Ver 0.33



Steel/Concrete

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware Good

Welded/grouted
shear connectors N/A

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

SQ-3158
SQ-3158

SQUAMISH RIVER 36.6km

2020 Inspection

CBR iPad Offline Ver 0.33



Hazards

Estimated Present Water Level Depth (m)	.3	High Water	☒	Debris	☐
Estimated Present Water Level Width (m)	7	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Full Curb Replacement. . Priority:High	Replace rotten guardrails.

2

3

4

5

6

7

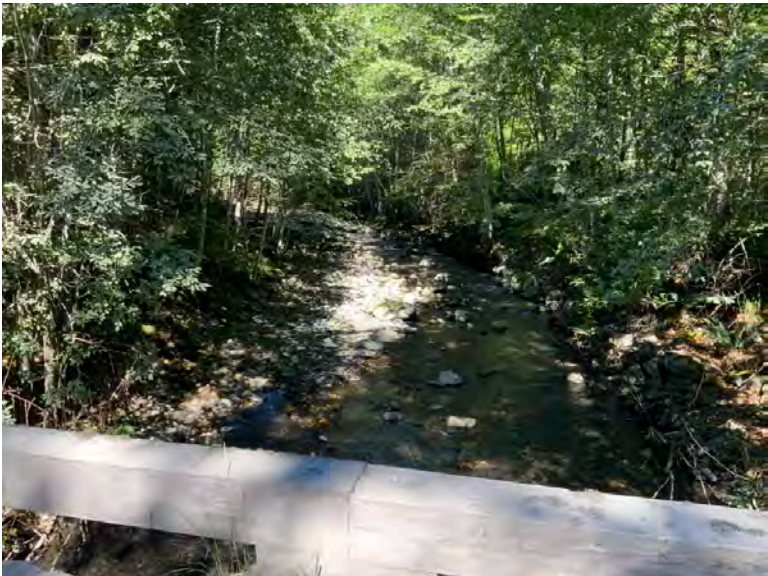
Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



2020 Inspection

CBR iPad Offline Ver 0.33

SQUAMISH RIVER 36.6km

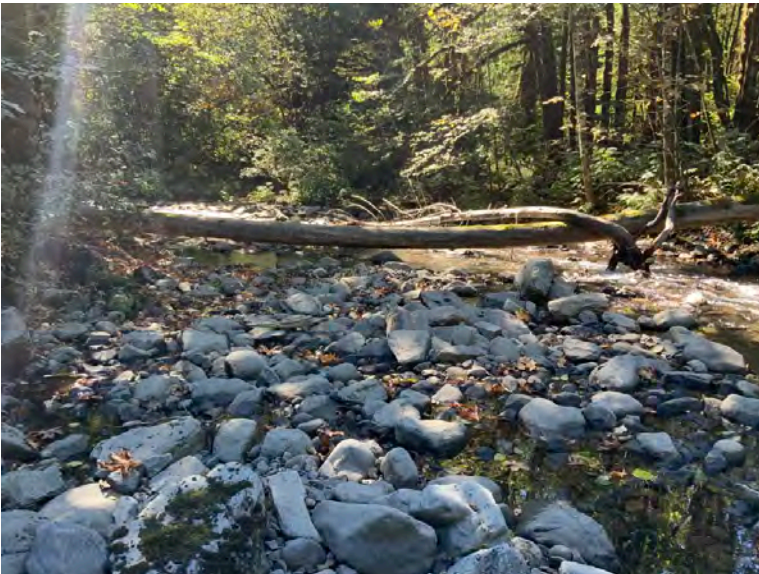
SQ-3158
SQ-3158



Deck



Guard Rail



Downstream Profile



Upstream Profile



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Structure ID