

SQ-3135
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MAMQUAM 01 19.2km

2021 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°42'12.2"	-122°55'30.1"
Crossing Name	Martin Creek
FSR #	9283
Branch #	1
Road Name	MAMQUAM 01
User km	19.2
Previous Load Rating (tonnes)	62
Structure Class	Temporary Bridge
Portable	N
Superstructure	Log Stringers
Deck Type	Gravel
Abutment Left	Crib, Log or Untreated Timber
Abutment Right	Crib, Log or Untreated Timber
Spans	1
Total Length (m)	7.9
Deck Width (m)	6.3

Updated Data

Latitude	Longitude
49°42'12.92"	-122°55'30.79"
HD Diff. (m)	26.1
Accuracy (m)	6

Inspection

Date of Inspection 2021-09-20 11:53:16 AM

Inspector Name Greg Dohm

Inspector Comments Serial/ID Plate

Recommended Next Inspection Year

Inspection Company FLNRORD

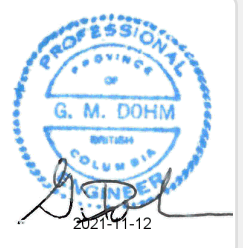
P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Nov. 12, 2021

Load Rating: BCL625 or 63 tonnes

Next Inspection: 2023

Comments: Curb logs on bridge need to be modified so they provide a min. 250mm height above road grade.



P.Eng Seal

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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 Poor Missing on all 4 corners

Posted Load Rating 63

Road Surface Fair

Abutment

Log/Timber Cribs Fair Some rot in 2nd face log town side crib but still ok

Tie Backs Fair

Bin Wall

Pier

Concrete

Caps or Sills Fair

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Fair

Fill Fair

Riprap Fair

Bearings Fair

Corrosion Protection Fair

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Deck

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface Fair

Curb Rail/Blocks/Posts Poor Needs a functioning curb rail on downstream side. Upstream side not ideal .

Hand Rails/Walkouts

Hardware

Overall Deck Condition Poor Port due to downstream curb rail

Gravel Depth (mm) 400

Pier Deck

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Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors

Log

Log Curbs Poor Too low

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Cw	Y	800	20	Fair	Drilled stringers on townside

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1 Structure. Curb
Maintenance. 1 # sites.
Priority:High

2 Approach. Approach
fenders (install). 4 # of
units. Priority:Medium

3

4

5

6

7

Item	Monitor Description	Frequency
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1

2

3



Approach from Right Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Left Bank Abutment when facing downstream



Upstream Profile



Upstream Profile



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Outlet