

SQ-3135

MAMQUAM 01 19.2km

2019 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°42'12.8"	-122°55'30.8"
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
°0'0"	°0'0"
HD Diff. (m)	5532974.5
Accuracy (m)	

Inspection

Date of Inspection 2019-09-16 2:34:22 PM

Inspector Name Richard Mills

Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Older Cw log stringer bridge. Stringers in fair condition, small fruiting bodies on stringers (cedar). No heart rot detected. 3 log high crib scoured on left side. Consider replacement due to age, scour. Large puddle on deck.

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., January 30, 2020
Load Rating: BCL625 or 63 tonnes
Next Inspection: 2021
Comments:



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor None

Posted Load Rating 68

Road Surface Fair

Abutment

Log/Timber Cribs Fair Old cribs, scoured left side. Monitor.

Tie Backs Fair

Bin Wall N/A

Pier N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Good

Riprap N/A

Bearings N/A

Corrosion Protection N/A

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**Deck**

Running Surface	Poor	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	Poor	Large pothole
Curb Rail/Blocks/Posts	Poor	Missing on ds side
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Poor	No guardrail
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

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		40		Small fruiting bodies
2	Cw	Y		30		
3	Cw	Y		50		Small fruiting bodies
4	Cw	Y		30		
5	Cw	Y		30		
6	Cw	Y		40		Small fruiting bodies
7	Cw	Y		50		
8	Cw	Y		30		
9	Cw	Y		30		
10	Cw	Y				Inaccessible

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	High	Add guardrail downstream side
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2		
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3		
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Item	Monitor Description	Frequency
1	Monitor crib left for scour	Routine Inspection

2		
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3		
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Sketch
(Select Signature)



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Stringers



Stringers



Deck



Guard Rail