SQ-3078
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RING CREEK NORTH 5.2km

2022 Inspection

CBR iPad Offline Ver 0.36

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°45'54"	-123°5'13.9"

Site Status	Active
Insp. Status	Inspect
Crossing Name	Brandvolt Creek
FSR #	6782
Branch #	1
Road Name	RING CREEK NORTH
User km	5.2
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Removable
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	17.6
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
°0'0"	°0'0"

HD Diff. (m)	5539814.5	Accuracy (m)	

Inspection

Date of Inspection: 2022-09-26 4:39:05 PM

Inspector Name: Forrest Simpson

Recommended Next Inspection: 2025

Inspection Company: MoF

Inspector Comments: Serial/ID Plate

Re-install riprap or reinspect after storm season.

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 5, 2022
Load Rating: L75 or 68 tonnes
Next Inspection: 2025
Comments:

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
G. M. DOHM

PERMIT TO PRACTICE NUMBER 1003022
ENGINEERS AND GEOSCIENTISTS BC
2022-10-17

PERMIT TO PRACTICE: 1003022

Approach

Alignment	Good	
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	Y	Minor
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Poor	None
Posted Load Rating		
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete	Good	
Caps or Sills		
Piles or Posts	Good	
Ballast Wall	Good	
Wing Wall		
Bracing	Good	
Hardware	Good	
Fill	Good	
Riprap	Poor	Left bank has shifted, fill exposed.
Bearings	Good	
Corrosion Protection	Good	

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts	Good	Clips
Concrete Deck	Fair	Minor damage
Grout Pockets		
Deck Joints	Fair	No paraseal. Filled with dirt
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	New wood
Hand Rails/Walkouts		
Hardware	Good	
Overall Deck Condition	Good	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good
Diaphragms	Good
Bracing	Good
Under Trussing	
Hardware	Good
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

Hazards

Estimated Present Water Level Depth (m)	.3	High Water	X	Debris	X
Estimated Present Water Level Width (m)	3	Aggradation	X	Scour	
Estimated High Water Level Clearance	3.5	Ic			

Comments Evidence of debris flow

Repairs and Monitoring

	Repair Item	Repair Description
1	Approach. Approach fenders (install). 4 # of units. Priority:High	Install approach barrieirs
2	Channel. Add Riprap (placed). m³. Priority:High	Re-install riprap left bank
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

Deck

Deck

Right Bank Abutment when facing downstream

Deck clips

Superstructure

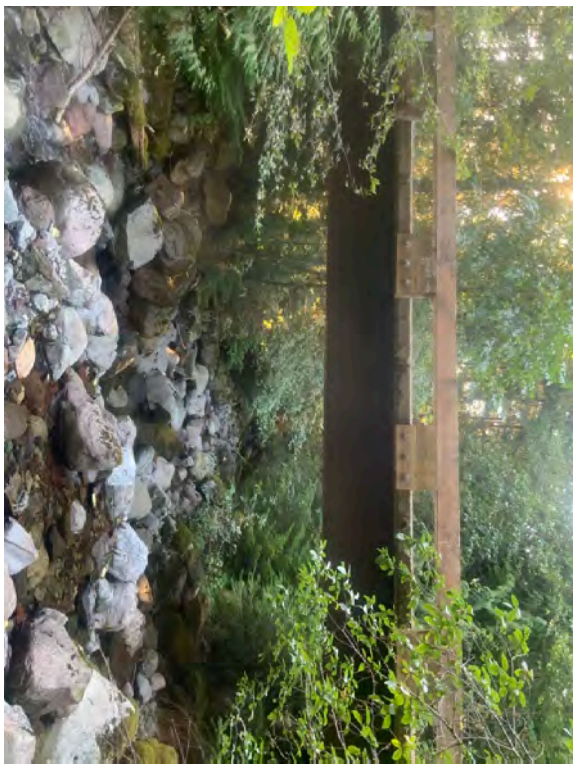
Left Bank Abutment when facing downstream

Right Bank Abutment when facing downstream

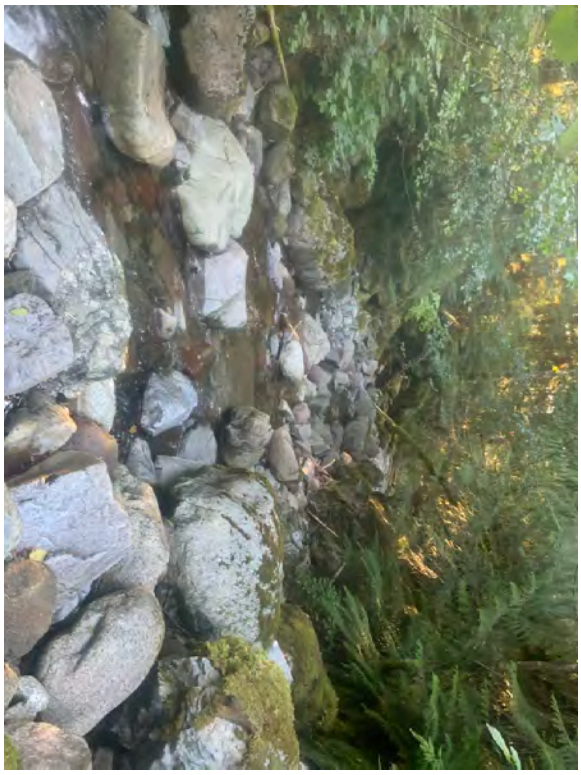
Upstream from Crossing

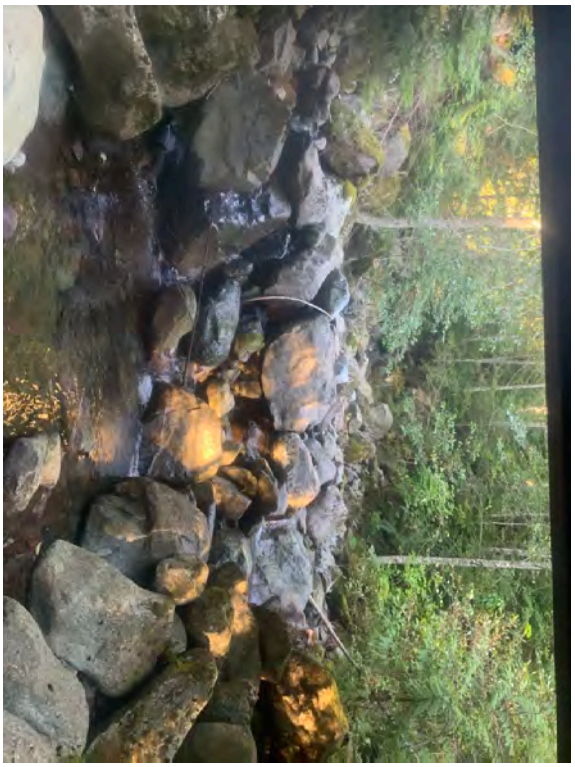
Left Bank Abutment when facing downstream

Upstream Profile



Downstream from Crossing



Left Bank Abutment when facing downstream

Upstream from Crossing