

CK-2222

PITT RIVER 18.2km

2019 Inspection

CBR iPad Offline Ver 0.28



## CBR Data

|                              |                               |          |   |
|------------------------------|-------------------------------|----------|---|
| Latitude                     | Longitude                     |          |   |
| 49°40'46.09"                 | -122°41'6.4"                  |          |   |
| Crossing Name                | Side Creek                    |          |   |
| FSR #                        | 8394                          | Branch # | 1 |
| Road Name                    | PITT RIVER                    |          |   |
| User km                      | 18.2                          |          |   |
| Current Load Rating (tonnes) | 63                            |          |   |
| 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)             | 12.1                          |          |   |
| Deck Width (m)               | 6.3                           |          |   |

## Updated Data

|                      |               |              |   |
|----------------------|---------------|--------------|---|
| Latitude             | Longitude     |              |   |
| 49°40'45.68"         | -122°41'7.73" |              |   |
| HD Diff. (m)         | 29.6          | Accuracy (m) | 5 |
| BCL-625 or 63 tonnes |               |              |   |

## Inspection

Date of Inspection 2019-01-14 2:06:32 PM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

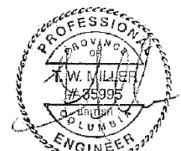
Inspection Company MFLNRO

## Inspector Comments

The inside 6 stringers seem to have been replaced within the last 3-4 years. The outside 3 stringers, on each side, are in relatively poor condition  
 11.0m span downstream  
 11.5m span upstream

## P.Eng Comments

Replace missing delineators and post bridge ahead signs. Monitor the noted scour. Current load rating of BCL-625 or 63 tonnes to continue. Post load rating signs.



04/02/2019

P.Eng Seal

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## Approach

Alignment Good

Bridge Ahead Signs  
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

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

Fender Condition Fair

Posted Load Rating Not posted

Road Surface Good

## Abutment

Log/Timber Cribs Fair 2 face logs, up to 40mm sap rot and no signs of crushing

Tie Backs Fair 3x

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Fair Lashed at all 4 corners

Fill Fair

Riprap Poor None

Bearings Fair

Corrosion Protection

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## Deck

Running Surface

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts      **Good**

Hand Rails/Walkouts

Hardware      **Fair**

Overall Deck Condition      **Good**

Gravel Depth (mm)      **400**

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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<br>Number | Species | Peeled | Diameter<br>(mm) | Rot Depth<br>(mm) | Condition | Comment                              |
|--------------------|---------|--------|------------------|-------------------|-----------|--------------------------------------|
| 1                  | Fd      | Y      | 600              | 100               | Poor      | Pocket rot                           |
| 2                  | Fd      | Y      | 600              | 100               | Poor      | Pocket rot                           |
| 3                  | Fd      | Y      | 670              | 100               | Poor      | Pocket rot                           |
| 4                  | Fd      | Y      | 620              |                   | Good      | Appears newer then outside stringers |
| 5                  | Fd      | Y      | 660              |                   | Good      | Appears newer then outside stringers |
| 6                  | Fd      | Y      | 770              |                   | Good      | Appears newer then outside stringers |
| 7                  | Fd      | Y      | 670              |                   | Good      | Appears newer then outside stringers |
| 8                  | Fd      | Y      | 710              |                   | Good      | Appears newer then outside stringers |
| 9                  | Fd      | Y      | 640              |                   | Good      | Appears newer then outside stringers |
| 10                 | Fd      | Y      | 610              | 60                | Poor      | Small Conks noted                    |
| 11                 | Fd      | Y      | 620              | 100               | Poor      | Conk noted, heart rot                |
| 12                 | Fd      | Y      | 600              | 100               | Poor      | Conk noted, pocket rot               |

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## Hazards

|                                          |     |             |                                     |        |                                     |
|------------------------------------------|-----|-------------|-------------------------------------|--------|-------------------------------------|
| Estimated Present Water Level Depth (m)  | 0.4 | High Water  | <input checked="" type="checkbox"/> | Debris | <input type="checkbox"/>            |
| Estimated Present Water Level Width (m)  | 5.0 | Aggradation | <input checked="" type="checkbox"/> | Scour  | <input checked="" type="checkbox"/> |
| Estimated High Water Level Clearance (m) |     | Ice         | <input type="checkbox"/>            |        |                                     |

## Comments

The stream appears to have sustained a large flush as the gravel bars within the channel are no longer present and the stream channel has soured. Minor bank erosion is present.

## Repairs and Monitoring

### Repair

| Item | Priority | Repair Description                                          |
|------|----------|-------------------------------------------------------------|
| 1    | High     | Post load rating signs                                      |
| 2    | Medium   | Replace the missing delineators and post bridge ahead signs |
| 3    |          |                                                             |

### Item

| Item | Monitor Description  | Frequency          |
|------|----------------------|--------------------|
| 1    | Monitor stream scour | Routine Inspection |
| 2    |                      |                    |
| 3    |                      |                    |

Sketch  
(Select Signature)



Approach from Left Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing



Approach from Right Bank when facing downstream



Scour noted upstream right bank



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream

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Scour noted downstream left bank