| CK-2263 | STAVE RIVER 11.4km | 2016 Inspection |
|---|---|---|

CBR iPad Offline Ver 0.21

## CBR Data

| Latitude | Longitude |
|---|---|
| 49°29'28.1" | -122°15'21.6" |

| | |
|---|---|
| Crossing Name | Side Creek |
| FSR # | 8013 |
| Branch # | 1 |
| Road Name | STAVE RIVER |
| User km | 11.4 |
| Current Load Rating (tonnes) | 10 |
| 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) | 11.4 |
| Deck Width (m) | 5 |

## Updated Data

| Latitude | Longitude |
|---|---|
| 49°29'28.23" | -122°15'22.42" |

| | | | |
|---|---|---|---|
| HD Diff. (m) | 17.0 | Accuracy (m) | 5 |

## Inspection

| | | | |
|---|---|---|---|
| Date of Inspection | 2015-09-22 2:50:10 PM | | |
| Inspector Name | Tyson Miller | Inspection Company | MFLNRO |

Inspector Comments

P.Eng Comments

The structure is in relatively poor condition. With rotting and crushing/cracking crib and tieback logs, limit loading to 30 tonnes. Replace the missing curb logs immediately. Replace missing fender logs and post missing bridge ahead signs. Post load rating sign.

P.Eng Seal

## 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 | Poor | none |
| Posted Load Rating | | not posted |
| Road Surface | Good | |

## Abutment

| | | |
|---|---|---|
| Log/Timber Cribs | Fair | but settling |
| Tie Backs | Poor | rotting |
| Bin Wall | 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 | Poor | none |
| Fill | Fair | |
| Riprap | Poor | none |
| Bearings | Fair | |
| Corrosion Protection | N/A | |

## Deck

| | | |
|---|---|---|
| Running Surface | N/A | |
| 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 | Fair | |
| Curb Rail/Blocks/Posts | Poor | none |
| Hand Rails/Walkouts | N/A | |
| Hardware | Poor | loose lashing |
| Overall Deck Condition | Poor | no guardrail |
| Gravel Depth (mm) | 500 | |

## Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware N/A NA

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 | 800 | 40 | Fair | many large knots |
| 2 | Fd | Y | 920 | 30 | Fair | |
| 3 | Cw | Y | 870 | 60 | Fair | many large knots |
| 4 | Cw | Y | 930 | 50 | Fair | |
| 5 | Cw | Y | 900 | 50 | Fair | |
| 6 | Cw | Y | 780 | 60 | Fair | |

## Hazards

| | | | |
|---|---|---|---|
| Estimated Present Water Level Depth (m) | 0.4 | High Water ☐ | Debris ☒ |
| Estimated Present Water Level Width (m) | 4.0 | Aggradation ☒ | Scour ☒ |
| Estimated High Water Level Clearance (m) | 0 | Ice ☐ | |

Comments

## Repairs and Monitoring

| Repair Item | Priority | Repair Description |
|---|---|---|
| 1 | High | replace missing guard log |
| 2 | High | place log curbs |
| 3 | High | post load rating sign |

| Item | Monitor Description | Frequency |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |

Sketch
(Select Signature)

# CK-2263 STAVE RIVER 11.4km 2015 Inspection

Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

no guard log

Approach from Left Bank when facing downstream

# CK-2263 STAVE RIVER 11.4km 2015 Inspection

top log on left crib cracking horizontally

Downstream Profile