

CK-2450

NORRISH CREEK 5.2km

2015 Inspection



CBR iPad Offline Ver 0.21

## CBR Data

|                              |                  |
|------------------------------|------------------|
| Latitude                     | Longitude        |
| 49°13'8.4"                   | -122°8'52.8"     |
| Crossing Name                | Unknown          |
| FSR #                        | 10326            |
| Branch #                     | 1                |
| Road Name                    | NORRISH CREEK    |
| User km                      | 5.2              |
| Current Load Rating (tonnes) | 63               |
| Structure Class              | Major Culvert    |
| Culvert Type                 | Round            |
| Culvert Material             | Corrugated Steel |
| Opening Height (mm)          | 2200             |
| Opening Width (mm)           | 2200             |
| Inlet Cover (mm)             | 300              |
| Outlet Cover (mm)            | 400              |
| Culvert Gradient %           | 5                |
| Culvert Length (m)           | 8                |

## Updated Data

|              |               |
|--------------|---------------|
| Latitude     | Longitude     |
| 49°13'9.24"  | -122°8'52.41" |
| HD Diff. (m) | 27.0          |
| Accuracy (m) | 5             |
| 5.1          |               |

## Inspection

Date of Inspection 2015-07-29 9:06:44 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Add 200mm gravel fill over the culvert and blend into the existing grade. The approach fills are erodible and require monitoring. There does not appear to be any movement of the large log retaining fill at the outlet of the culvert; however it needs to be monitored especially during/after heavy rainfall events. Consider removing this log and replacing with well keyed riprap. Present load rating of BCL-625 or 63 tonnes to continue.



06/01/2016

P.Eng Seal

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## Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs  
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing  
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing  
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Posted Load Rating not posted

Road Surface Good

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall N/A

Bracing

Hardware

Fill Fair

Riprap Fair

Bearings

Corrosion Protection

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**Culvert**

|                            |      |                            |
|----------------------------|------|----------------------------|
| Baffles                    | N/A  |                            |
| Bolted Connections         | N/A  |                            |
| Coating                    | Fair |                            |
| Coupled Connections        | N/A  |                            |
| Embedment Materials        | N/A  |                            |
| Fill                       | Fair |                            |
| Floor                      | Fair |                            |
| Footing                    | Fair |                            |
| Head Walls                 | N/A  |                            |
| Inlet                      | Fair | debris starting accumulate |
| Outlet                     | Fair | 0.5 meter drop             |
| Overall                    | Fair |                            |
| Rip Rap                    | Fair |                            |
| Roof                       | Fair |                            |
| Sidewalls                  | Fair |                            |
| Trash Rack                 | N/A  |                            |
| Weirs/Backwater Structures | N/A  |                            |
| Wing Walls                 | N/A  |                            |

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## Log

Log Curbs

Needle Beam

Needle Lashing/  
Shimming

| Stringer<br>Number | Species | Needle Beam to Crib (m)<br>Peeled | Diameter<br>(mm) | Needle Diameter (mm)<br>Rot Depth<br>(mm) | Condition | Comment |
|--------------------|---------|-----------------------------------|------------------|-------------------------------------------|-----------|---------|
|--------------------|---------|-----------------------------------|------------------|-------------------------------------------|-----------|---------|

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## Hazards

|                                          |                                         |             |                          |        |                                     |
|------------------------------------------|-----------------------------------------|-------------|--------------------------|--------|-------------------------------------|
| Estimated Present Water Level Depth (m)  | 0.3                                     | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/>            |
| Estimated Present Water Level Width (m)  | 2.0                                     | Aggradation | <input type="checkbox"/> | Scour  | <input checked="" type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 1.0                                     | Ice         | <input type="checkbox"/> |        |                                     |
| Comments                                 | monitor fill retaining log on fillslope |             |                          |        |                                     |

## Repairs and Monitoring

| Repair Item | Priority | Repair Description |
|-------------|----------|--------------------|
|-------------|----------|--------------------|

1

2

3

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
|------|---------------------|-----------|

1 fill retaining log on fillslope

Anually

2

3

Sketch  
(Select Signature)

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Approach from Left Bank when facing downstream



Inlet



Approach from Right Bank when facing downstream



Outlet

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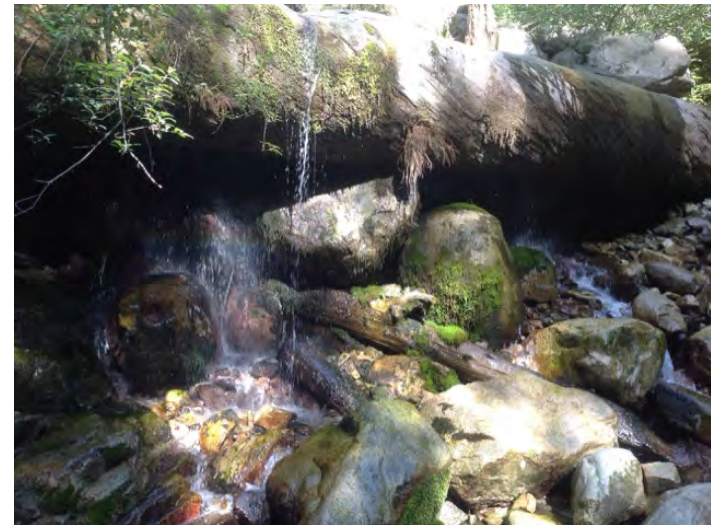
log retaining fill on fillslope



right bank of fill retaining log - not tied in very well



log retaining fill on fillslope



approx middle of fill retaining log - bearing on large rounded rock that sits on a smaller log

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left bank of fill retaining log - tied into bank