

CK-2457

NORRISH CREEK 13.6km

2016 Inspection

CBR iPad Offline Ver 0.23



## CBR Data

|                              |                  |          |   |
|------------------------------|------------------|----------|---|
| Latitude                     | Longitude        |          |   |
| 49°16'31.69"                 | -122°5'23.8"     |          |   |
| Crossing Name                | Unknown          |          |   |
| FSR #                        | 10326            | Branch # | 1 |
| Road Name                    | NORRISH CREEK    |          |   |
| User km                      | 13.6             |          |   |
| Current Load Rating (tonnes) | 63               |          |   |
| Structure Class              | Major Culvert    |          |   |
| Culvert Type                 | Open Bottom      |          |   |
| Culvert Material             | Corrugated Steel |          |   |
| Opening Height (mm)          | 1440             |          |   |
| Opening Width (mm)           | 2740             |          |   |
| Inlet Cover (mm)             | 600              |          |   |
| Outlet Cover (mm)            | 700              |          |   |
| Culvert Gradient %           |                  |          |   |
| Culvert Length (m)           | 10               |          |   |

## Updated Data

|              |               |              |   |
|--------------|---------------|--------------|---|
| Latitude     | Longitude     |              |   |
| 49°16'31.88" | -122°5'22.65" |              |   |
| HD Diff. (m) | 23.8          | Accuracy (m) | 5 |
| 800          |               |              |   |
| 1000         |               |              |   |
| 3            |               |              |   |

## Inspection

Date of Inspection 2016-08-11 12:06:54 PM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

## P.Eng Comments

Clean the inlet. Material under some portions of the concrete footings still eroding which requires monitoring. The structure must be continually inspected especially following heavy rain or rain on snow events. A completely new structure should be considered for this site. Present load rating of BCL-625 or 63 tonnes to continue.



21/02/2017

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 ☐ 2

Delineator Missing  
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition **Unrated** **NA**

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         | Good    |                           |
| Coating                    | Good    |                           |
| Coupled Connections        | N/A     |                           |
| Embedment Materials        | Poor    | inlet 75% plugged         |
| Fill                       | Fair    |                           |
| Floor                      | Unrated | NA                        |
| Footing                    | Fair    | some scour noted a outlet |
| Head Walls                 | N/A     |                           |
| Inlet                      | Poor    | 75% plugged               |
| Outlet                     | Fair    | footing scour             |
| Overall                    | Poor    | due to plugged inlet      |
| Rip Rap                    | Fair    |                           |
| Roof                       | Good    |                           |
| Sidewalls                  | Good    |                           |
| Trash Rack                 | N/A     |                           |
| Weirs/Backwater Structures | N/A     |                           |
| Wing Walls                 | N/A     |                           |

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## Hazards

|                                          |     |             |                          |        |                          |
|------------------------------------------|-----|-------------|--------------------------|--------|--------------------------|
| Estimated Present Water Level Depth (m)  | 0.1 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 2.0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 0   | Ice         | <input type="checkbox"/> |        |                          |

Comments    this structure is not suitable for this site  
consider complete replacement

## Repairs and Monitoring

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

|   |      |             |
|---|------|-------------|
| 1 | High | clean inlet |
|---|------|-------------|

|   |  |  |
|---|--|--|
| 2 |  |  |
|---|--|--|

|   |  |  |
|---|--|--|
| 3 |  |  |
|---|--|--|

| Item | Monitor Description | Frequency                                            |
|------|---------------------|------------------------------------------------------|
| 1    | inlet aggradation   | Following heavy precipitation or rain on snow events |

|   |  |  |
|---|--|--|
| 2 |  |  |
|---|--|--|

|   |  |  |
|---|--|--|
| 3 |  |  |
|---|--|--|

Sketch  
(Select Signature)



Approach from Right Bank when facing downstream



looking upstream from road



evidence of recent heavy flows



looking downstream from road



Approach from Left Bank when facing downstream



Outlet



Inlet - 75% plugged



looking through culvert

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footing scour at outlet