

CK-2100
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FLORENCE LAKE 14km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°19'25.79"	-122°20'22.2"
Crossing Name	Clem's Creek
FSR #	8648
Branch #	1
Road Name	FLORENCE LAKE
User km	14
Previous Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Other
Opening Height (mm)	650
Opening Width (mm)	650
Inlet Cover (mm)	300
Outlet Cover (mm)	300
Culvert Gradient %	3
Culvert Length (m)	7.6

Updated Data

Latitude	Longitude
49°19'26.17"	-122°20'21.56"
HD Diff. (m)	17.3
Accuracy (m)	30
L75 or 68 tonnes	

Inspection

Date of Inspection 2020-05-26 9:21:58 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

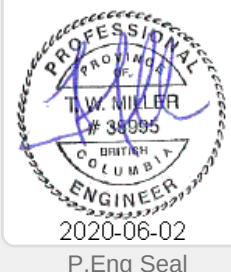
Inspection Company FLNRORD

Inspector Comments

5 heavy wall rubber pipes that continually plug
Need to keep stream confined to channel or will loose road at right approach
Structure CK-2099, located approx. 300m down chain has now been impacted (riprap scoured) due to CK-2100 stream not being confined to it's stream channel

P.Eng Comments

Limit access during periods of heavy precipitation or rain on snow events, and monitor the site following these events. Recommend installing a proper ford/modified ford at this site if continual use is required. The current load rating of L75 or 68 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

HC and VC both approaches

Bridge Ahead Signs
Missing

☒ 0 ☐ 1 ☐ 2 NA

Brushing Required N

Delineator Missing
Left

☒ 0 ☐ 1 ☐ 2 NA

Delineator Missing
Right

☒ 0 ☐ 1 ☐ 2 NA

Fender Condition Fair

Boulders, barriers and logs

Posted Load Rating

Not posted

Road Surface Fair

Evidence that water has gotten onto the road surface and eroded the surfacing materials

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware

Fill

Riprap

Bearings

Corrosion Protection

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Culvert

Baffles

Bolted Connections

Coating

Coupled Connections

Embedment Materials

Fill Fair Over steepened at both inlet and outlet

Floor Fair

Footing

Head Walls

Inlet Fair

Outlet Fair

Overall Fair

Rip Rap Fair

Roof Fair

Sidewalls Fair

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	4.0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments Stream appears to aggrade often

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
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1 Crossing condition

Annually

2

3



Approach from Left Bank when facing downstream



Outlet



Upstream from Crossing



Downstream from Crossing



Old pipe columns still buried in approach material



Approach from Right Bank when facing downstream



Inlet

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Outlet