

QC-7023

MORESBY 1.7km

2015 Inspection



CBR iPad Offline Ver 0.20

### CBR Data

Latitude	Longitude		
53°6'23.29"	-132°2'19.4"		
Crossing Name	Unknown		
FSR #	10308	Branch #	01
Road Name	MORESBY		
User km	1.7		
Current Load Rating (tonnes)	150		
Structure Class	Major Culvert		
Culvert Type	Open Bottom		
Culvert Material	Corrugated Steel		
Opening Height (mm)	1300		
Opening Width (mm)	1300		
Inlet Cover (mm)	200		
Outlet Cover (mm)	200		
Culvert Gradient %	5		
Culvert Length (m)	7.3		

### Updated Data

Latitude	Longitude	
°0'0"	-132°2'19.4"	
HD Diff. (m)	5911785.4	Accuracy (m)
	1100	
	2100	
	35	
	75	

### Inspection

Date of Inspection 2015-07-03 2:05:34 PM

Inspector Name Rick MacDonald

Inspection Company Chartwell Consultants Ltd.

#### Inspector Comments

Structure height is 1100mm but height from bottom of creek to top of arch is 1300mm. Fill is leaking down to creek from behind to head walls at all four corners.

#### P.Eng Comments

Load Rated By: MFLNRO, Richard Mills P.Eng., Dec 1, 2015

Load Rating: L165 or 150 tonnes

Next Inspection: Sept 1, 2018

P.Eng Seal

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### Approach

Alignment **Good**

Bridge Ahead Signs Missing  0  1  2

Brushing Required **Y** **Brush encroaching on road**

Delineator Missing Left  0  1  2

Delineator Missing Right  0  1  2

Fender Condition **None**

Posted Load Rating **None 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 **Good** **Minimum cover is 250mm for L-165**

Riprap **N/A**

Bearings

Corrosion Protection

## Culvert

Baffles	N/A	
Bolted Connections	Good	
Coating	Fair	Painted
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Good	Minimum cover is 250mm for L-165
Floor		N/A
Footing	Fair	Placed on rock above stream bed. Risk of scour.
Head Walls	Fair	Steel. Road fill leaking down to stream.
Inlet	Good	
Outlet	Good	
Overall	Fair	
Rip Rap	N/A	
Roof	Good	
Sidewalls	Good	
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

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer  
Number

Species

Peeled

Diameter  
(mm)

Rot Depth  
(mm)

Condition

Comment

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
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### Hazards

Estimated Present Water Level Depth (m)	0.05	High Water	<input type="checkbox"/>	Debris	<input checked="" type="checkbox"/>
Estimated Present Water Level Width (m)	0.3	Aggradation	<input type="checkbox"/>	Scour	<input checked="" type="checkbox"/>
Estimated High Water Level Clearance (m)	0.5	Ice	<input type="checkbox"/>		

Comments Risk of scour of footings, very little riprap protection and footings are elevated above stream bed. Small woody debris present.

### Repairs and Monitoring

#### Repair

Item	Priority	Repair Description
1	Medium	Add riprap behind headwalls to prevent fill from eroding down to stream channel.
2		
3		

Item	Monitor Description	Frequency
1	Monitor for scour of footings.	Routine Inspection
2		
3		

Sketch  
(Select Signature)



Approach from Left Bank when facing downstream



Inlet



Approach from Right Bank when facing downstream



Arch structure



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Footings



Outlet