

QC-7024

MORESBY 1.8km

2015 Inspection



CBR iPad Offline Ver 0.20

**CBR Data**

Latitude	Longitude		
53°6'21.6"	-132°2'28.5"		
Crossing Name	8A		
FSR #	10308	Branch #	01
Road Name	MORESBY		
User km	1.8		
Current Load Rating (tonnes)	150		
Structure Class	Major Culvert		
Culvert Type	Open Bottom		
Culvert Material	Corrugated Steel		
Opening Height (mm)	1200		
Opening Width (mm)	2100		
Inlet Cover (mm)	200		
Outlet Cover (mm)	200		
Culvert Gradient %			
Culvert Length (m)	7.3		

**Updated Data**

Latitude	Longitude		
°0'0"	-132°2'28.5"		
HD Diff. (m)	5911732.9	Accuracy (m)	
	1100		
	300		
	300		
	5		

**Inspection**

Date of Inspection 2015-07-03 4:06:45 PM

Inspector Name Rick MacDonald

Inspection Company Chartwell Consultants Ltd.

## Inspector Comments

Structure is a Mini-Span IV with 19mm plate thickness. Minimum cover for L165 load rating is 250mm.

## 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 around structure**

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** **Min. Requirement for design load met**

Riprap **Fair**

Bearings

Corrosion Protection

## Culvert

Baffles	N/A	
Bolted Connections	Good	
Coating	Fair	Painted
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Good	Min. Requirement for design load met
Floor		N/A
Footing	Fair	Protected with small riprap, installed at higher elevation than streambed.
Head Walls	Fair	Steel, riprap supporting road fill.
Inlet	Fair	
Outlet	Fair	
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

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. Small woody debris present.

### Repairs and Monitoring

Repair Item	Priority	Repair Description
1		

2

3

Item	Monitor Description	Frequency
1		

2

3

Sketch  
(Select Signature)

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Date & Time: Fri Jul 3 16:01:58 PDT 2015  
Position: 8 N 698067 5888164  
Altitude: 256ft  
Azimuth/Bearing: 219° S39W 3898mils (True)  
Elevation Angle: -06.6°  
Horizon Angle: -02.2°  
Zoom: 1X

Approach from Left Bank when facing downstream



Date & Time: Fri Jul 3 16:02:31 PDT 2015  
Position: 8 N 698057 5888152  
Altitude: 219ft  
Azimuth/Bearing: 152° S28E 2702mils (True)  
Elevation Angle: -17.4°  
Horizon Angle: -00.8°  
Zoom: 1X

Inlet



Date & Time: Fri Jul 3 16:06:16 PDT 2015  
Position: 8 N 698043 5888144  
Altitude: 192ft  
Azimuth/Bearing: 067° N67E 1191mils (True)  
Elevation Angle: -07.3°  
Horizon Angle: +01.6°  
Zoom: 1X

Approach from Right Bank when facing downstream



Date & Time: Fri Jul 3 16:04:55 PDT 2015  
Position: 8 N 698052 5888151  
Altitude: 189ft  
Azimuth/Bearing: 324° N36W 5760mils (True)  
Elevation Angle: -04.5°  
Horizon Angle: -00.8°  
Zoom: 1X

Outlet



Footings



Left Bank Abutment when facing downstream