



BC Ministry of
Forests and Range

**Corporate Bridge Register (CBR)
Structure Inventory Data Form
"CULVERTS"**

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CK-

GENERAL	
*Structure #:	*Site #: CK-2273
*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name:
*Forest District: CHILLWACK	Management Area:
*Forest Service Road: STAVE RIVER	Kilometres: 30.9
*Project File ID#: 8013	*Br. 01
Built For: ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder	☐ Operations Division ☐ Road Permit Holder
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure	☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries
Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): (PEng to enter / update this value on structure details screen in CBR)	Design Load Rating GVW (tonnes): (Typically obtained from design drawings)
Design Vehicle Configuration:	
☐ BCL625 ☐ CL625 ☐ L100 ☐ L120 ☐ L150 ☐ L165	
☐ L45 ☐ L60 ☐ L75 ☐ L90 ☐ Other	
*Primary User Client Number:	*Client Location Code:
Primary User Name:	
As Built Information on File? ☐ Yes ☐ No	
Installation Cost (\$):	Material Cost (\$):
Portable Structure? ☐ Yes ☐ No	
REPLACEMENT DETAILS	
Original Replacement (year):	Estimated Closure (year):
Light Vehicle Traffic Replacement (year):	*Full Log Haul Traffic Replacement (year): (PEng to review and evaluate inspector's estimate, and to enter /update this value on structure details screen in CBR).
Estimated Replacement Cost (\$):	
Replacement Cost Comments:	

* Denotes Mandatory Information for Corporate Bridge Register



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CK-2273

STRUCTURAL DETAILS		
*Culvert Number: <u>1</u> of 1	*Culvert Length (metres): 17.6	Gradient: 2 1/2
*Culvert Type (not required for woodbox/log): ☐ Box ☒ Elliptical ☐ Open Bottom ☐ Round		*Culvert Material: ☐ Concrete ☐ Corrugated Steel ☐ Log ☐ Other ☐ Steel Non-Corrugated
Inlet Cover Depth (mm): 1100	Outlet Cover Depth (mm): 1000	
*Opening Height (mm): 1200	*Opening Width (mm): 3700	
Headwall Location: ☐ Both ☐ Inlet ☒ None ☐ Outlet		Open Bottom Substructure (not required for woodbox/log culvert): ☐ Cast in Place Concrete Footing ☐ Lock-Block Footing ☐ Piles ☐ Precast Concrete Footing ☐ Steel Footing
Comments:		



BC Ministry of Forests and Range
Routine Condition Culvert Inspection Form

GENERAL INFORMATION				(enter either long/lat or UTM below - not both)	
*Site #: CK-2273	*Crossing Name:	*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# 8013	*Br: 01	
*Structure #:					
*FSR Name: STVE RIVER	*Forest District: HILLWAK	*Kilometres: 30.9	User km:		
Longitude: (ddd / mm / ss.s) 49 35 22.5	UTM Easting	UTM Zone OR	UTM Northing		
Latitude: (ddd / mm / ss.s) 122 24 01.5					
LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent, G = good; F = fair; P = poor; N/A = not appl., UR = Unrated					
Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)			
Alignment	E G <u>(F)</u> P UR				
Bridge Ahead Signs Missing	0 1 <u>(2)</u>				
Brushing Required	Yes <u>(No)</u>				
Delineator Missing Left	0 1 <u>(2)</u>				
Delineator Missing Right	0 1 <u>(2)</u>				
Fender Condition	E G F P <u>(None)</u> UR				
Posted Load Rating	(tonnes) or <u>(None)</u>				
Road Surface	E <u>(G)</u> F P UR				
GENERAL CULVERT ITEMS					
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)			
Baffles (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR				
Bolted Connections (N/A to woodbox/log culvert)	E <u>(G)</u> F P <u>(N/A)</u> UR				
Coupled Connections (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR				
Coating (N/A to woodbox/log culvert)	E G <u>(F)</u> P <u>(N/A)</u> UR	SLIGHT RUST ON FLOOR			
Embedment Materials (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR				
Fill	E <u>(G)</u> F P UR				
Roof	E <u>(G)</u> F P UR				
Side Walls	E <u>(G)</u> F P UR				
Floor	E G <u>(F)</u> P <u>(N/A)</u> UR	SOME RUST			
Head Walls	E G F P <u>(N/A)</u> UR				
Wing Walls	E G F P <u>(N/A)</u> UR				
Inlet	E <u>(G)</u> F P UR				
Outlet	E <u>(G)</u> F P UR				
Overall	E G <u>(F)</u> P UR				
Riprap	E G <u>(F)</u> P <u>(N/A)</u> UR				
Trash Rack	E G F P <u>(N/A)</u> UR				
Weirs/Backwater Structures	E G F P <u>(N/A)</u> UR				
Footling (N/A to woodbox/log culvert)	E <u>(G)</u> F P <u>(N/A)</u> UR				
LOG CULVERTS ONLY					
Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species	Comments (a comment is mandatory if condition "Poor" is selected)	
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					



Routine Condition Culvert Inspection Form

GENERAL INFORMATION

*Site #: CK-2273 *Structure #:

LOG CULVERTS ONLY (continued)

Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species	Comments (a comment is mandatory if condition "Poor" is selected)
13				
14				
15				
16				
17				
18				
19				
20				
21				

Comments

Stream CHANNEL

*Est. Present Water Level Depth 0.1 (m) *Est. Present Water Level Depth 6 (m) *Est. Present Water Level Depth 1.5 (m)

HAZARDS (circle yes or no for each item))

High Water? Yes No Scour? Yes No Ice? Yes No Debris? Yes No Aggradation? Yes No

Comments

REPAIRS:

☐ Recommended☐ Not required

(H = High, M = Medium, L = Low)

*Estimate (\$)

*Repair Description

Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description
1	H M L		
2	H M L		
3	H M L		

*Monitoring Status: ☐ Recommended ☐ Not required

*Monitor Description

Monitor Item #	*Monitor Description
1	
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	OUTLET		
	INLET		
	RIGHT TO LEFT		
	LEFT TO RIGHT		

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked? Yes No P Eng Inspection Required? Yes No Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):

(PEng to review and evaluate inspector's estimate, and to update "Full Log Haul Traffic Replacement (year)" on structure details screen in CBR)

*Date of Inspection (yyyy/mm/dd)

2013-09-09

*Inspection Company Name

Duxco Engineering Ltd.

*Inspector's Name (print)

Ali Sahyouni

Inspector's Signature

Inspector's Comments

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): 68 Date of Next Planned Inspection (yyyy/mm/dd) 2013/09/01

(PEng to update structure details screen in CBR as necessary)

Reviewer Company Name

MNRO

Reviewed by - PEng's Name (print)

G. Dohm

Reviewed by - PEng's Signature

Greg Dohm

Date Reviewed (yyyy/mm/dd)

2010/12/07

PEng Reviewer's Comments

* Denotes Mandatory Information for Corporate Bridge Registrar

