



BC Ministry of
Forests and Range

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

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GENERAL	
*Structure #:	*Site #: CK-2275
*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name:
*Forest District: CHILLIWATK	Management Area:
*Forest Service Road: STAVE RIVER	Kilometres: 32.8
*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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STRUCTURAL DETAILS			
*Culvert Number: <u>3</u> of 1	*Culvert Length (metres):	Gradient: <u>4</u> %	
*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): <u>900</u>	Outlet Cover Depth (mm): <u>1200</u>		
*Opening Height (mm): <u>200</u>	*Opening Width (mm): <u>2000</u>		
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:			

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BC Ministry of Forests and Range
Routine Condition Culvert Inspection Form

GENERAL INFORMATION			
*Site #: CK-2275	*Crossing Name:	(enter either long/lat or UTM below - not both)	
*Structure #:		*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	*Project File ID# 8013 *Br. 01
*FSR Name: STAVE RIVER	*Forest District: CHILLIWACK	*Kilometres: 32.8	User km:
Longitude: (ddd / mm / ss.s) 49 36 11.2	UTM Zone: OR	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) 122 24 37.6			

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 F P UR		
Bridge Ahead Signs Missing	0 1 2		
Brushing Required	Yes NO		
Delineator Missing Left	0 1 2		
Delineator Missing Right	0 1 2		
Fender Condition	E G F P None UR		
Posted Load Rating	(tonnes) or (None)		
Road Surface	E G 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 N/A UR		
Bolted Connections (N/A to woodbox/log culvert)	E G F P N/A UR		
Coupled Connections (N/A to woodbox/log culvert)	E G F P N/A UR		
Coating (N/A to woodbox/log culvert)	E G F P N/A UR		
Embedment Materials (N/A to woodbox/log culvert)	E G F P N/A UR		
Fill	E G F P UR		
Roof	E G F P UR		
Side Walls	E G F P UR		
Floor	E G F P N/A UR		
Head Walls	E G F P N/A UR		
Wing Walls	E G F P N/A UR		
Inlet	E G F P UR	COP'S PARTIALLY PLUGGED WITH CWD	
Outlet	E G F P UR		
Overall	E G F P UR		
Riprap	E G F P N/A UR		
Trash Rack	E G F P N/A UR		
Walls/Backwater Structures	E G F P N/A UR		
Footings (N/A to woodbox/log culvert)	E G F P N/A UR		

LOG CULVERTS ONLY			
Stringer #	Stringer Rot Depth (mm)	Diameter (mm)	Stringer Species
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			



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Routine Condition Culvert Inspection Form

GENERAL INFORMATION									
*Site #: CK-2275					*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 0.5 (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)									
Repair Item #	*Priority (circle)	*Estimate (\$)		*Repair Description					
1	H M (L)			CLEAN INLETS, CONSIDER INSTALLING A SUMP.					
2	H M L								
3	H M L								
*Monitoring Status: ☐ Recommended ☐ Not required									
Monitor Item #	*Monitor Description								
1									
2									
PHOTO LOG									
Photo #	Description	Photo #	Description						
	FROM DOWNSTREAM								
	FROM UPSTREAM								
	LEFT TO RIGHT								
	RIGHT TO LEFT								
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)	2010-09-09	*Inspection Company Name	Onsite Engineering Ltd	*Inspector's Name (print)	Ali Sadeghi	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				
Reviewer Company Name	MNRO	Reviewed by - PEng's Name (print)	G. Dohm	Reviewed by - PEng's Signature	Meg Dohm		Date Reviewed (yyyy/mm/dd)		2010/12/07
PEng Reviewer's Comments									

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CK2275 Outlet



CK2275 Inlet



CK2275 Left to right



CK2275 Right to left