

Sep 10
#13

ACTIVE



BC Ministry of
Forests and Range

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

GENERAL	
*Structure #: CK-2335	*Site #:
*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name:
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: SPANSE RIVER	Kilometres: 7.2
*Project File ID#: 0013	*Br. 01
Built For: ☐ BC Timber Sales ☐ Operations Division ☐ Other Commercial Users ☐ Road Permit Holder ☐ Road Use Permit Holder	
*Source: ☐ Inherited: Found Structure ☐ Inherited: From Oil & Gas/ ☐ Inherited: Non-Status Road Other Ministry ☐ Inherited: Reallocation ☐ Inherited: Transfers from ☐ New Structure Other Ministries ☐ Replacement Structure	
Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): (P/Eng 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): (P/Eng 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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"CULVERTS"

Page 2 of 2

CK-2335

STRUCTURAL DETAILS		
*Culvert Number: <u>1</u> of 1	*Culvert Length (metres): <u>12.5</u>	Gradient: <u>-2 %</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>300</u>	Outlet Cover Depth (mm): <u>400</u>	
*Opening Height (mm): <u>1800</u>	*Opening Width (mm): <u>2300</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:		



BC Ministry of Forests and Range
Routine Condition Culvert Inspection Form

GENERAL INFORMATION

*Site #: CK-2335	*Crossing Name:	*Type/Class: ☐ Major Culvert ☐ Woodbox/Log Culvert	(enter either long/lat or UTM below- not both)	
*Structure #:			*Project File ID# 8013	
			*Br. 01	
*FSR Name: STANE RIVER	*Forest District: CHILLW	*Kilometres: 7.2	User km:	
Longitude: (ddd / mm / ss.s) 49 28 33.3	OR	UTM Easting	UTM Northing	
Latitude: (ddd / mm / ss.s) 122 13 18.6				

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 <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>	NOT POSTED
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 G <u>(F)</u> P N/A 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 N/A UR	HEAVY RUST ON FLOOR
Embedment Materials (N/A to woodbox/log culvert)	E G F P <u>(N/A)</u> UR	
Fill	E G <u>(F)</u> P UR	
Roof	E G <u>(F)</u> P UR	
Side Walls	E G <u>(F)</u> P UR	
Floor	E G <u>(F)</u> P N/A UR	HEAVY 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 G <u>(F)</u> P UR	
Outlet	E G <u>(F)</u> P UR	
Overall	E G <u>(F)</u> P UR	
Riprap	E G <u>(F)</u> P N/A 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 G 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				



BC Ministry of Forests and Range
Routine Condition Culvert Inspection Form

GENERAL INFORMATION									
*Site #: CLC-2335		*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 1.0 (m)		*Est. Present Water Level Depth 0 (m)		*Est. Present Water Level Depth 1.02 (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								
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						
	Right to LEFT								
	LEFT to RIGHT								
	UPSTREAM								
	DOWNSTREAM								
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)	2010-09-10	*Inspection Company Name	Onsite Engineering Ltd	*Inspector's Name (print)	Abi 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	Date Reviewed (yyyy/mm/dd)		2010/12/09		
PEng Reviewer's Comments									

* Denotes Mandatory Information for Corporate Bridge Register



CK2335 Right to left



CK2335 Left to right



CK2335 From upstream



CK2335 From downstream