



BC Ministry of
Forests and Range

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Corporate Bridge Register (CBR) SITE INVENTORY DATA FORM

*Site # CK-2349		*Site Status ☒ Active ☐ Barricaded/Closed ☐ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction	
*Site Type: ☒ Crossing ☐ Storage			
*Project File ID#: 8013		*Br. 01	
*Forest District: CHILLIWACK			
Management Area:			
*Forest Service Road: STAVE			
*Kilometres: 5.2		User Kilometres:	
*Crossing Name: SIDE CRK		Close Proximity Inspection Required? ☐ Yes ☐ No	
*Inspection Status: ☐ Inspect ☐ Do Not Inspect			
*BCTS Business Area (if applicable):			
Trim Map Sheet #:		1:50,000 Map Sheet #:	
Special Access Requirements: ☐ ATV ☐ Boat ☐ 4-Wheel Drive ☐ Gate Key ☐ Helicopter ☐ Isolated Public Access		Special Equipment Requirements: ☐ Peeper Truck ☐ Scuba	
Point of Access Description:			
Coordinates Longitude: (ddd / mm / ss.s)		Latitude: (ddd / mm / ss.s)	
UTM Zone: 10	UTM Easting: 556658	UTM Northing: 5478461	

*Denotes Mandatory Information for Corporate Bridge Register



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

GENERAL	
*Structure #: CK-2349	*Site #: CK-2349
*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert	Crossing Name: SIDE CRK
*Forest District: CHILLIWACK	Management Area:
*Forest Service Road: STAVE	Kilometres: 5.2
*Project File ID#: 8013	*Br. 61
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): (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): 2015	*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). 2045
Estimated Replacement Cost (\$):	
Replacement Cost Comments:	

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

STRUCTURAL DETAILS		
*Culvert Number: <u>1</u> of 1	*Culvert Length (metres): <u>20.1</u>	Gradient: <u>2.0 %</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>600</u>	Outlet Cover Depth (mm): <u>900</u>	
*Opening Height (mm): <u>3300</u>	*Opening Width (mm): <u>5700</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:		



Routine Condition Culvert Inspection Form

GENERAL INFORMATION				(enter either long/lat or UTM below- not both)			
*Site #: CK-2349		*Crossing Name: Sirio Creek		*Type/Class: ☒ Major Culvert ☐ Woodbox/Log Culvert		*Project File ID# 8013	
*Structure #: CK-2349		*Forest District: Chilliwack		*Kilometres: 5.20		*Br. 0180	
*FSR Name: Stave River		*Forest District: Chilliwack		*Kilometres: 5.20		User km: 5.20	
Longitude: (ddd / mm / ss.s) _____				OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) _____					10	554658	5478461
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	Minor rust
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		
Outlet	E	G	F	P	UR	Erosion on downstream left corner	
Overall	E	G	F	P	UR		
Riprap	E	G	F	P	N/A	UR	Too steep and falling into stream on upstream left side
Trash Rack	E	G	F	P	N/A	UR	
Weirs/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	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-2349

*Structure #: CK-2349

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 0.0 (m) *Est. Present Water Level Width 0.0 (m) *Est. High Water Level Clearance 2.5 (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 Erosion on downstream left side

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
1	Inside	5	Outlet
2	From left	6	Outlet overflow pipe
3	Inlets		
4	From 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): 2045
(PEng to review and evaluate inspector's estimate, and to update replacement (year) on structure details screen in CBR)*Date of Inspection (yyyy/mm/dd) 2013/09/25 *Inspection Company Name ONSITE *Inspector's Name (print) Jeremy Araki Inspector's Signature C. P. ARAKI # 29756
Inspector's Comments

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

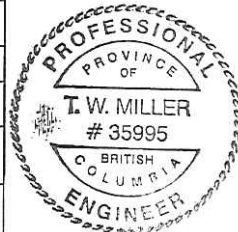
Current Load Rating GVW (tonnes): 68 tonnes Date of Next Planned Inspection (yyyy/mm/dd) 2016/09/30
(PEng to update structure details screen in CBR as necessary)
Reviewer Company Name MoF Reviewed by - PEng's Name (print) T. Miller Reviewed by - PEng's Signature Date Reviewed (yyyy/mm/dd) 2014/01/14

PEng Reviewer's Comments

This structure appears to be the same as CK-2334, 1 - 18m long 2200mm CSP and 1 - 18m long

* Denotes Mandatory Information for Corporate Bridge Register 5050mm x 3330mm pipe arch. Verify there are 2 sites with the same sized culverts at the next inspection (coordinates puts sites approx. 100m apart).

FS1337C HEG Oct. 18, 2010 Present load rating of L75 or 68 tonnes to continue.





CK-2349 Inside



CK-2349 From Left



CK-2349 Inlets



CK-2349 From Right



CK-2349 Outlet



CK-2349 Outlet Overflow Pipe

25-Sep-13