Date Printed: 2013/08/27
User Id: IDIR\TYSMILLE
Database: PROD
Report Id: CBR001C

BC Ministry of Forests and Range

Major Culvert Inspection Report

Structure #:	CK-2125	**Site #:**	CK-2125	**Road Name:**	SHOVEL CREEK	**Inspection Date:**	2013/07/04
KM:	11.10	**User km:**	11.10	**Crossing Name:**	Not Known	**Next Inspection Date:**	2016/07/04
Project File ID #:	5748	**Br.**	06	**Forest District:**	Chilliwack Forest District		

Culvert Type:	Round		**Culvert Material:**	Corrugated Steel	
Inlet Cover *(mm)*:	5,000		**Outlet Cover *(mm)*:**	8,000	
Footing Type:			**Gradient *(%)*:**		
Culvert Length *(metres)*:	25.0	**Opening Height *(mm)*:**	1,800	**Opening Width *(mm)*:**	1,800
UTM Zone:	10	**UTM Easting:**	589306	**UTM Northing:**	5520734
Inspector Name:	T. Miller		**Year Built:**	1990	

Access: Drive on road north of Harrison Hot springs. This road connects with Harrison East FSR. Turn Right off of Harrison East FSR onto Harrison East -Shovel Creek FSR

APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left	0	
Delineator Missing Right	0	
Fender Condition	None	
Posted Load Rating	not	not posted
Road Surface	Fair	

CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Fair	5m cover at inlet, some erosion evident - 8 meter cover at outlet
Floor	Fair	
Footing	Not Applicable	
Head Wall	Not Applicable	
Inlet	Fair	concrete apron
Outlet	Fair	1 meter drop into pool, some undermining
Overall	Fair	
Riprap	Fair	some riprap has eroded at inlet
Roof	Fair	

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Side Walls	Fair	
Trash Rack	Fair	top of rack is exposed
Wiers/Backwater Structures	Not Applicable	
Wing Wall	Not Applicable	

CHANNEL

Estimated Present Water Level Depth:	0.4	**Estimated Present Water Level Width:**	5.0
Estimated High Water Level Clearance:	0.0		

HAZARDS

High Water:	Yes	**Scour:**	Yes	**Ice:**	No	**Debris:**	Yes	**Aggradation:**	No
Comment:									

REPAIRS

#	Status	Priority	Estimate	Description
1	Recommended	Medium	$1.00	replace missing riprap at inlet to protect exposed rack support

MONITORS

#	Description
1	monitor undermining culvert at outlet

GENERAL

Professional Inspection Required?	No	**Regional Review Date:**	2013/08/27	**P. Eng Reviewer Name:**	Tyson Miller
Replacement Date for full log haul traffic *(year)*:	2010	**Replacement Date for light vehicle traffic** *(year)*:			
Current Load Rating GVW *(tonnes)*:	136	**Design Load GVW** *(tonnes)*:	136	**Design Vehicle Config.:**	L150
Inspector's Estimated Full Log Haul Replacement *(year)*:					

Inspector's Comment:	
PEng Reviewer's Comment:	Replace riprap at inlet to protect exposed trash rack support. Monitor outlet for further undermining. Present load rating of L150 or 136 tonnes to continue.
District Staff Comment:	

Aug 27/2013

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
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