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**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH2**  
Sheet 1 of 1  
REFERENCE No **H12803**

PROJECT	Lochaber Creek Bridge Replacement		
LOCATION	Abutment A, RHS	COORDINATES 320021.0 E; 7181024.8 N	
PROJECT No	FG6448	SURFACE RL 142.18m	PLUNGE 90°
			DATE STARTED 19/03/2017
			GRID DATUM GDA 94
JOB No		HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 20/03/2017
			DRILLER Schneider Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
													EH
141.68						Sandy CLAY with gravel (Alluvium) Yellow-brown, dry, stiff.	(CL)						
1			(85)			Low plasticity, fine to medium grained sand, medium grained gravel.					0.67m: Cly, 5°, 10mm 0.70m: Cly & rock fragments, 5°, 30mm 0.92m: Cly, 5°, 40mm	Is(50)=2.30 MPa Is(50)=2.50 MPa	A (0.56m) D (0.61m)
2			(83)			SANDSTONE (Je/1) SW: Pale grey and yellow, fine grained, very thin to thinly bedded, mainly high strength. - BP: 0°-10° (3-5/m), PI/Ro, TI-OP, some Cly Vr. - J: 60°-90° (1/m), Stp/Ro, TI-OP.	SW				1.60m: Cly & gravel, 10°, 10mm 1.90m: Cly & gravel, 5°, 7mm 2.07m: J, 80°, irregular	UCS=62.60 MPa	(1.75m)
3			(59)									Is(50)=2.80 MPa Is(50)=2.60 MPa	A (2.48m) D (2.58m)
4			(77)				MW				3.63m: Sandy Cly, 0°, 5mm 3.72m: Partly Cly, 10mm	Is(50)=3.00 MPa Is(50)=2.40 MPa	D (3.26m) A (3.41m)
5											4.15m: Sandy Cly, 0°, 5mm	Is(50)=3.00 MPa	A (4.25m)
6			(63)				SW					UCS=22.60 MPa	(5.30m)
7			(46)			6.5 - 8.15m - BP: 0°-20° (7/m), PI-Stp/Ro, TI. - J: 50°-70° (1/m), Stp/Ro, OP.						Is(50)=2.20 MPa Is(50)=1.50 MPa	A (6.07m) D (6.12m)
8	134.03		100				MW				7.15m-7.25m: BZ 7.34m: HFZ, 30mm	Is(50)=3.10 MPa Is(50)=1.60 MPa	A (6.55m) D (6.60m)
						Borehole completed at 8.15m	SW					Is(50)=2.00 MPa Is(50)=2.60 MPa	D (7.51m) A (7.70m)

REMARKS: Je/1 = Evergreen Formation	<b>LOGGED BY</b>	<b>REVIEWED BY</b>
	M.Ensor	S.Foley

**CORE PHOTO LOG**  
**F: GEOT043/3**  
**DEPARTMENT OF TRANSPORT AND MAIN ROADS**  
**Geotechnical Section**



Project Name	<b>Lochaber Creek Bridge Replacement (Burnett Highway 41C)</b>		
Project No.	FG6448	Date Completed	19/03/2017
Borehole No.	BH2	Reference Number	H12803
Location	Lochaber Creek (Abut A RHS)	Start Depth (m)	0.50
Submitted By	Jaime Lopez	Finish Depth (m)	8.15
Remarks			

