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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH3**

Sheet 1 of 1

REFERENCE No **H12804**

PROJECT	Lochaber Creek Bridge Replacement		
LOCATION	Pier 1, LHS	COORDINATES 320001.8 E; 7181038.4 N	
PROJECT No	FG6448	SURFACE RL 137.80m	PLUNGE 90°
			DATE STARTED 17/03/2017
			GRID DATUM GDA 94
JOB No		HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 17/03/2017
			DRILLER Schneider Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE CORE REC %	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
												EH
137.30			(80)		Clayey SAND (Alluvium) Brown-yellow, moist, firm. Fine grained sand, low plasticity fines.	(SC)						
100			(89)		SANDSTONE (Je/1) SW: Pale grey to white, fine grained, very thinly to thinly bedded, high strength. - BP: 0°-10° (3/m), Pl-Stp/Ro, TI. - J: 80°-90° (<1/m), Pl-Stp/Sm, TI, some Cly Vn.	SW				UCS=59.70 MPa Is(50)=1.70 MPa Is(50)=1.50 MPa	(0.80m) D (0.92m) A (1.04m)	
100			(85)							1.53m: Cly, 20°, 10mm	D (2.00m)	
100			(73)		SANDSTONE (Je/1) SW: Pale grey & orange, medium grained, very thinly to thinly bedded, mainly high strength. - BP: 0°-30° (5/m), Pl-Stp/Ro, TI-OP. - J: 60°-90° (2/m), Pl-Stp/Ro, TI-OP, Cly Sinf.	SW				3.15m: Cly, 5°, 3mm	Is(50)=2.40 MPa Is(50)=1.30 MPa	A (3.18m) D (3.23m)
100			(81)							5.10m-6.25m: J, 90°, Un, Cly Vn, FeSt	Is(50)=1.50 MPa	A (4.05m)
100			(59)							6.90m: J, 50°, Stp, Cly Vn	UCS=31.00 MPa Is(50)=1.90 MPa	D (5.00m) D (6.59m)
100										7.66m: HW zone, 40mm	Is(50)=1.80 MPa	A (7.19m)
100										8.30m: J, 80°, Fe Vn	Is(50)=0.47 MPa	A (7.73m)
129.25					Borehole completed at 8.55m						Is(50)=1.20 MPa	D (8.20m)

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

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



Project Name	Lochaber Creek Bridge Replacement (Burnett Highway 41C)		
Project No.	FG6448	Date Completed	17/03/2017
Borehole No.	BH3	Reference Number	H12804
Location	Lochaber Creek (Pier 1 LHS)	Start Depth (m)	0.50
Submitted By	Jaime Lopez	Finish Depth (m)	8.55
Remarks			

SCALE (mm)