## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the <u>Creative Commons Attribution 4.0 Licence</u> (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence". This licence does not apply to the Queensland Government logo or trademarks.

## **LIMITATION OF LIABILITY**

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database http://qgd.org.au/

## Queensland Government

## GEOTECHNICAL BOREHOLE LOG

FINAL 24/04/2017

BOREHOLE No BH4

Sheet 1 of 1

FOR GEOTECHNICAL TERMS AND H12805 REFERENCE No SYMBOLS REFER FORM F:GEOT 017/8-2014 Lochaber Creek Bridge Replacement PROJECT COORDINATES 320014.7 E; 7181043.4 N Pier 1, RHS LOCATION SURFACE RL 137.98m GRID DATUM GDA 94 FG6448 PLUNGE 90° DATE STARTED 16/03/2017 PROJECT No height datum  $\mathsf{AHD}$ DATE COMPLETED 17/03/2017 DRILLER Schneider Drilling JOB No BEARING USCS WEATHERING ADDITIONAL DATA AND TEST RESULTS RQD INTACT DEFECT SPACING SAMPLES TESTS LITHOLOGY STRENGTH RΙ DEPTH SAMP MATERIAL DESCRIPTION CORE REC % T'Y'E'\\ Clayey SAND with gravel (Alluvium) (SC) Mottled yellow-brown, moist, 137.58 medium dense. Medium to coarse grained sand, HW fine grained gravel, low plasticity 136.98 (83) A (1.11m) SANDSTONE (Je/1) D (1.21m) 100 HW: Pale grey, fine grained, very (95)Is(50)=2.40 MPa thinly to thinly bedded, very low to Is(50)=2.00 MPa low strength. SANDSTONE (Je/1) SW: Pale grey, fine grained, very Is(50)=1.20 MPa A (2.12m) thinly to thinly bedded, mainly high UCS=27.60 MPa (2.40m) 100 strength. SW BP: 0°-10° (3/m), PI/Sm, TI-OP. Is(50)=3.40 MPa A (2.60m) J: 30°-45° (1/m), PI-Stp/Ro, TI. D (2.65m) J: 70°-90° (<1/m), Stp/Ro, OP. Is(50)=0.91 MPa D (3.50m) Is(50)=1.60 MPa A (3.68m) 133.98 100 (78)SANDSTONE (Je/1) Is(50)=0.63 MPa A (4.07m) Is(50)=1.90 MPa D (4.12m) SW: Pale grey & orange, medium grained, very thinly to thinly bedded, mainly high strength. BP 10°-20° (3/m), PI/Ro, TI. J: 20°-40° (2/m), PI/Ro, TI-OP. Is(50)=1.60 MPa D (5.07m) - J: 50°-70° (1/m), PI/Ro, TI. A (5.18m) 5.37m: BP, 0°, 5mm Cly, Sinf 5.44m: BP, 5°, 10mm rock 100 SW (81) fragments Is(50)=2.30 MPa A (5.83m) Is(50)=1.00 MPa D (6.02m) A (6.30m) Is(50)=1.40 MPa D (6.35m)-130.98 100 Borehole completed at 7.00m REMARKS: Je/1 = Evergreen Formation **LOGGED BY REVIEWED BY** M.Ensor S.Foley TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE S





Page 1 of 1