

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (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/>

ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH606
SHEET 1 of 3
REFERENCE No 11575

PROJECT Townsville Ring Road Section 4 Dalrymple Overpass
LOCATION Dalrymple Overpass COORDINATES 467193.5 E; 7867032.6 N
PROJECT No FG 6020 SURFACE R.L. 16.53m PLUNGE DATE STARTED 10/9/13 GRID DATUM MGA94 Zone 55
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 11/9/13 DRILLER Cairns Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	H	M	J	VL				
0	16.53					Sandy SILT (Topsoil): Pale brown, dry, firm. Some grass/tree roots.												
0.23						Sandy SILT: Pale brown, grey, moist, hard.												
1					A											12,25,30/120 N>50	SPT	
2					B	Becoming clayey sandy silt. Some fine to medium gravel.										13,21,26 N=47	SPT	
3					C	High clay content.	(ML)									7,12,25 N=37	SPT	
4					D	Becoming sandy silt.										30/70 N>50	SPT	
5					E											30/140 N>50	SPT	
6	10.43					Silty SAND: Yellow, brown, pale grey, moist, dense. Fine to coarse grained sand. Trace clay.										12,16,19 N=35	SPT	
7					F													
8					G	Becoming very dense.	(SM)									16,29,30/110 N>50	SPT	
9						9.1m: Sandy clay lense sizing 0.25m.												
9.1					H	Becoming fine to medium grained sand.										17,30/120 N>50	SPT	
10																		

REMARKS _____

LOGGED BY
MS

ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH606
SHEET 2 of 3
REFERENCE No 11575

PROJECT Townsville Ring Road Section 4 Dalrymple Overpass
LOCATION Dalrymple Overpass COORDINATES 467193.5 E; 7867032.6 N
PROJECT No FG 6020 SURFACE R.L. 16.53m PLUNGE DATE STARTED 10/9/13 GRID DATUM MGA94 Zone 55
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 11/9/13 DRILLER Cairns Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH							DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	H	M	J	VL	EL				
10	6.53					Silty SAND: (Cont'd)	(SM)												
11	6.03				J	Sandy CLAY: Pale grey to brown, moist, very stiff. Low to intermediate plasticity.												7,12,18 N=30	SPT
12						Becoming hard.													
13					K		(CL-CI)											8,15,20 N=35	SPT
14					L	Becoming very stiff. Mainly intermediate plasticity.												5,9,12 N=21	SPT
15						Grading into Sandy SILT.													
16	0.53				M													9,14,15 N=29	SPT
17					N	Sandy SILT: Pale grey brown, moist, hard.												11,24,30/120 N>50	SPT
18							(ML)												
19					P	Colour change to brown, yellow.												13,27,30/120 N>50	SPT
20																			

REMARKS _____

LOGGED BY
MS

**ENGINEERING
BOREHOLE LOG**

BOREHOLE No BH606
 SHEET 3 of 3
 REFERENCE No 11575

FOR GEOTECHNICAL TERMS AND
 SYMBOLS REFER FORM F:GEOT 017/6-2010

PROJECT Townsville Ring Road Section 4 Dalrymple Overpass
 LOCATION Dalrymple Overpass COORDINATES 467193.5 E; 7867032.6 N
 PROJECT No FG 6020 SURFACE R.L. 16.53m PLUNGE _____ DATE STARTED 10/9/13 GRID DATUM MGA94 Zone 55
 JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 11/9/13 DRILLER Cairns Drilling Pty Ltd

2013 TMR LIBRARY:GLB Log A:ENGINEERING BOREHOLE LOG W LITHOLOGY TOWNSVILLE RING ROAD 4 DALRYMPLE OVERPASS BH601 - BH606.GPJ <<DrawingFile>> DatgeolCPT Tool.gINT Add-In 26/11/2013 14:43

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
20	-3.47					Sandy SILT: (Cont'd)								
	-3.92				Q			(ML)					8,16,23 N=39	SPT
21						Borehole terminated at 20.45m								
22														
23														
24														
25														
26														
27														
28														
29														
30														

REMARKS _____

LOGGED BY
MS