

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 017/8-2014

BOREHOLE No **BH128**
SHEET **1** of **2**
REFERENCE No **12074**

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 6303m; COORDINATES 721075.6 E; 7658649.5 N
PROJECT No FG6184 SURFACE R.L. 10.88m PLUNGE _____ DATE STARTED 2/10/14 GRID DATUM GDA 94 /MGA Zone 55
JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 2/10/14 DRILLER Saxon Drilling

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
0	10.88					Silty CLAY (ALLUVIUM) Brown, moist, soft to firm. Medium plasticity.							
1.00	9.88					0.80m: High content of silt.							
					A	Silty SAND (ALLUVIUM) Brown, moist, loose. Fine grained.						4.4,5 N=9	SPT
2					B							2,3,4 N=7	SPT
3					C							2,3,3 N=6	SPT
4					D	4.00m: Becoming medium dense.						4,6,8 N=14	SPT
5					E	5.00m: Fine to medium grained.						5,6,7 N=13	SPT
6					F							3,6,7 N=13	SPT
6.60	4.28					Gravelly SAND (ALLUVIUM) Brown, moist, dense. Fine to coarse grained sand. Fine, subrounded to subangular gravel.						10,25,21 N=46	SPT
7					G								
8					H							16,18,16 N=34	SPT
8.50	2.38					Sandy GRAVEL (ALLUVIUM) Brown and black, moist, medium dense to very dense. Fine to coarse, subrounded to subangular gravel. Fine to coarse grained sand.						10,13,13 N=26	SPT
9					J								
10													

REMARKS _____

LOGGED BY
MS

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH128
SHEET 2 of 2
REFERENCE No 12074

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 6303m; COORDINATES 721075.6 E; 7658649.5 N
PROJECT No FG6184 SURFACE R.L. 10.88m PLUNGE _____ DATE STARTED 2/10/14 GRID DATUM GDA 94 /MGA Zone 55
JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 2/10/14 DRILLER Saxon Drilling

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
10	0.88												
11					K	Sandy GRAVEL (ALLUVIUM) (Cont'd)						5,13,29 N=42	SPT
12					L	11.00m: Becoming coarse gravel.	(GW)					28,30/100	SPT
13					M							6,21,19 N=40	SPT
14	-1.62				N	Silty CLAY (RESIDUAL?) Brown-orange mottled grey, moist, very stiff. High plasticity.	(CH)					7,8,12 N=20	SPT
15	-4.12				P							6,9,13 N=22	SPT
16	-4.57				Q	Clayey SAND (RESIDUAL) Brown-orange mottled grey, moist, medium dense. Fine to medium grained. Borehole terminated at 15.45m.	(SC)					5,9,18 N=27	SPT
17													
18													
19													
20													

REMARKS _____

LOGGED BY
MS