

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	<u> BH147 </u>
SHEET	<u> 2 </u> of <u> 2 </u>
REFERENCE No	<u> 12088 </u>

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
 LOCATION Embankment - South of QR North Coast Rail Overpass; CH: 9775m; COORDINATES 721560.2 E; 7662087.0 N
 PROJECT No FG6184 SURFACE R.L. 10.65m PLUNGE DATE STARTED 27/10/14 GRID DATUM GDA 94 /MGA Zone 55
 JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 27/10/14 DRILLER ND 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	EL	EC				
10	0.65				J	Silty SAND (ALLUVIUM) (Cont'd)	(SM)												9,13,17 N=30	SPT
11.00	-0.35				K	Clayey SAND (ALLUVIUM) Pale brown, orange, wet, dense. Fine to coarse grained sand.	(SC)												14,15,16 N=31	SPT
12																				
12.50	-1.85					Sandy CLAY (ALLUVIUM) Grey, white, orange, mottled back, moist, very stiff. High plasticity. Fine to coarse grained sand.	(CH)												8,13,14 N=27	SPT
13					M															
13.40	-2.75					Clayey SAND (RESIDUAL) Grey, white, orange, moist, medium dense. Fine to coarse grained sand.	(SC)													
14.00	-3.35																			
15					N	GRANODIORITE (Kgwu) XW: Recovered as white, grey, mottled orange, very dense Clayey SAND.													21,31,27 N=58	SPT
15.50	-4.85				O														16,20,13 N=33	SPT
						Borehole terminated at 15.5m. .														
16																				
17																				
18																				
19																				
20																				

TMR JAN 15.GLB Log_A_ENGINERING BOREHOLE LOG W LITHOLOGY FG6184 - BOREHOLES.GPJ <<DrawingFile>> Datget CPT Tool gInt.Add-In 04/03/2015 10:51

REMARKS Kgwu - Wundaru Granodiorite; LOGGED BY ML