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TMR JAN 15.GLB Log A\_ENGINEERING BOREHOLE LOG W LITHOLOGY FG6184 - BOREHOLES.GPJ <<DrawingFile>> Datgel CPT Tool gINt Add-In 04/03/2015 10:51

## ENGINEERING BOREHOLE LOG

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

BOREHOLE No	BH147
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	12088

PROJECT LOCATION				Geotechnical Investigation - Stage 1 th of QR North Coast Rail Overpass; CH: 9775m;					 CO	——————————————————————————————————————	
	FG618	4		SURFACE R.L. <u>10.65m</u> PLUNGE _ HEIGHT DATUM <u>AHD</u> BEARING _		_	DATE S	TARTED 2	<u>7/10</u>	0/14 GRID DATUM <u>GDA 94 /MG/</u>	A Zone 5
(m) HLL (m) 9 10.65	NUGER SASING VASH BORING	RQD ()%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	JSC VEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA  AND  TEST RESULTS	SAMPLES
0 10.65 - - - 0.40 10.25		REC %	8	Clayey SAND (TOPSOIL) Dark grey, dry, medium dense. Fine to coarse grained sand. Roots and root fibres.	1/ \land	(SC)			0		
- - - - - - - - - - - - - - - - - - -			Α	Clayey SAND (ALLUVIUM) Brown, orange and white, moist, medium dense. Fine to coarse grained sand. Trace fine, subrounded to rounded gravel.		(SC)				4,6,6 N=12	SPT -
			В	Silty SAND (ALLUVIUM) Orange, white, brown, moist, medium dense. Fine to coarse grained. With fine to medium, subrounded to rounded gravel.		(SM)				6,7,6 N=13	SPT =
3g0 7.65			С	Clayey SAND (ALLUVIUM) Brown and white, mottled orange, wet, medium dense. Fine to coarse grained sand. With fine to medium, subrounded to rounded gravel.		(SC)			_	. <u>√</u> 27/10/14 5,6,5 N=11	SPT -
-4.80 6.65			D	Silty SAND (ALLUVIUM) Brown, grey, orange, wet, medium dense. Fine to coarse grained sand. With fine, subrounded to rounded gravel.		(SM)				8,9,10 N=19	SPT -
			E	CLAY (ALLUVIUM)  Dark grey, mottled orange, moist, stiff to very stiff.  High plasticity.  With fine to coarse grained sand.		(CH)				4,4,7 N=11	SPT =
-6             -			F			(611)				Su <sub>(FSV)</sub> =184kPa;	U50 ]
			G	Sandy CLAY (ALLUVIUM) Grey, moist, very stiff. High plasticity. Fine to coarse grained sand.		(CH)				4,8,9 N=17	SPT -
-8.90 2.55			Н	Clayey SAND (ALLUVIUM) Pale grey, orange, wet, dense. Fine to coarse grained sand.		(SC)				- — — — — Sū <sub>(PP)</sub> =200kPa;	U50 -
- 980 1.65 			1	Silty SAND (ALLUVIUM) Pale brown, orange, wet, dense to very dense. Fine to coarse grained sand.	<u>///</u>	(SM)				13,23,27 N=50	SPT =
REMARKS Kgwu - Wundaru Granodiorite;								LOGGED BY ML			



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## ENGINEERING BOREHOLE LOG

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

BOREHOLE No	BH147
SHEET	_2_ of _2_
REFERENCE No	12088

PRO	JECT	<u>Ma</u>	<u>icka</u>	ay Ring F	Road	Geotechnical Investigation - Stage 1						
LOC	LOCATION Embankment - South of QR North Coast Rail Overpass; CH: 9775m; COORDINATES 721560.2 E; 7									ORDINATES 721560.2 E; 7662087.0 N		
PRO	JECT No	o <u>FG</u>	618	84		SURFACE R.L. <u>10.65m</u> PLUNGE		_		DATE STARTED 2	<u>7/10</u>	0/14 GRID DATUM <u>GDA 94 /MGA Zone 55</u>
JOB	No					HEIGHT DATUM <u>AHD</u> BEARING				DATE COMPLETED _2	<u>7/10</u>	DRILLER ND Drilling Pty Ltd
DEPTH (m)	R.L. (m)	AÚGER SASING MASH BORING		RQD ( )%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	JSC	WEATHERING	INTACT DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA  AND  TEST RESULTS  WWS
- - - - - -	-0.35	'		NEO %	J	Silty SAND (ALLUVIUM) (Cont'd)		(SI				9,13,17 N=30 SPT =
- - - - - - - - - - - - - - - - - - -	-1.85				К	Clayey SAND (ALLUVIUM) Pale brown, orange, wet, dense. Fine to coarse grained sand.		(S	C)			14,15,16 N=31 SPT -
- - - - - - 13					M	Sandy CLAY (ALLUVIUM) Grey, white, orange, mottled back, moist, very stiff. High plasticity. Fine to coarse grained sand.		(C	:H)			8,13,14 SPT -
13.40	-2.75 -3.35					Clayey SAND (RESIDUAL) Grey, white, orange, moist, medium dense. Fine to coarse grained sand.		(S	C)			N=27
- - - - - - -					N	GRANODIORITE (Kgwu) XW: Recovered as white, grey, mottled orange, very dense Clayey SAND.	+ + + 	X	w	± ± ±		21,31,27 N=58 SPT -
- 15 - - - - 15.50	-4.85				0		+	1				16,20,13 N=33 SPT
- 16 17 17 18 19 19						Borehole terminated at 15.5m						
20	EMADE	s Ka	WU	- Wunda	aru G	l Granodiorite:				<u> </u>		LOGGED BY
K	REMARKS Kgwu - Wundaru Granodiorite; LOGGED BY ML											