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**Queensland  
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**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH280**

Sheet 1 of 2

REFERENCE No **H12432**

PROJECT	Mackay Ring Road		
LOCATION	Lagoon Creek	COORDINATES 721030.5 E; 7658344.2 N	
PROJECT No	FG6184	SURFACE RL 7.28m	PLUNGE 90°
			DATE STARTED 08/10/2015
			GRID DATUM GDA 94 / MGA Z55
JOB No	242/10G/906	HEIGHT DATUM A.H.D.	BEARING °
			DATE COMPLETED 08/10/2015
			DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0.00 - 0.58	6.58			A	Silty CLAY (Topsoil) Dark brown, dry to moist, firm. Medium plasticity.	(CI)					
0.58 - 2.10				A	Silty CLAY (Alluvium) Pale grey mottled orange brown, moist, firm to stiff. High plasticity, trace rootlets.	CH				4, 4, 4 N=8	SPT
2.10 - 2.78	4.48			B	2.10m: becomes orange brown, soft to firm.	CH				LL=59% PI= 32% MC=30.5% LS= 14% <75µm= 89%	SPT
2.78 - 3.42				C	Sandy CLAY (Alluvium) Grey, wet, very soft. Fine grained sand, high plasticity.	CH				2, 2, 2 N=4	SPT
3.42 - 4.00				D	4.00m: becomes Clayey SAND: Dark grey, wet, very loose.	CH				hw, hw, hw N<1	SPT
4.00 - 4.58				E	SAND trace clay and gravel (Alluvium) Grey and dark grey, wet, loose. Medium grained sand, fine grained gravel, subrounded grains.	(SP)				LL=57% PI= 24% MC=70.8% LS= 11% Oedometer	U75
4.58 - 5.16	2.78			F	6.00m: Becomes pale grey. Fine to medium grained sand, trace silt.	(SP)				WD= 1.45 t/m3	SPT
5.16 - 5.74				G	CLAY trace sand (Alluvium) Green grey mottled brown, moist, stiff. Fine to coarse grained sand, medium to high plasticity.	(CI)				hw, hw, hw N<1	SPT
5.74 - 6.32	0.58			H	GRANODIORITE (Kgwu) XW: Recovered as pale grey, moist, dense, silty sand trace clay. Fine to medium grained sand.	XW				2, 2, 3 N=5	SPT
6.32 - 6.90				I		XW				2, 3, 5 N=8	SPT
6.90 - 7.48	-0.42									4, 6, 6 N=12	SPT
7.48 - 8.06										15, 15, 18 N=33	SPT
8.06 - 8.64										14, 15, 20 N=35	SPT
8.64 - 9.22	-2.72										

Continued on next sheet

REMARKS: Kgwu = Wundaru Granodiorite

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
C.Boyes	S.Foley



