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## GEOTECHNICAL BOREHOLE LOG


















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

BOREHOLE No **BH279**

Sheet 1 of 2

REFERENCE No **H12431**

PROJECT	Mackay Ring Road				
LOCATION	Lagoon Creek			COORDINATES 721040.2 E; 7658343.2 N	
PROJECT No	FG6184	SURFACE RL	7.05m	PLUNGE	90°
				DATE STARTED	12/10/2015
				GRID DATUM	GDA 94 / MGA Z55
JOB No	242/10G/906	HEIGHT DATUM	A.H.D.	BEARING	°
				DATE COMPLETED	13/10/2015
				DRILLER	Cairns 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				
								EH	VH	H	M	J	VL	EL	EC	VC	C	M				W	VW	EW	
1	6.55				Silty CLAY (Topsoil) Dark grey, dry, soft to firm. Low to medium plasticity, organics and rootlets.		(CI)																		
	A			CLAY (Alluvium) Dark grey, dry, stiff. Low to medium plasticity. 1.00m: becomes grey			(CI)																	3, 4, 5 N=9	SPT
B							(CI)																	3, 4, 5 N=9	SPT
	C			CLAY trace sand (Alluvium) Grey brown, moist, firm to stiff. Fine grained sand, low to medium plasticity.																					3, 3, 5 N=8
D				2.00m: becomes grey, firm. 2.5m: Becoming soft.																					
	E					(CI)																			3, 3, 4 N=7
F				3.00 to 3.80m: Clay lens: dark brown, moist, very soft. Medium to high plasticity.																					
	G																								hw, 2, 1 N=3
H				3.00 to 3.80m: Clay lens: dark brown, moist, very soft. Medium to high plasticity.																					
	I			SAND trace silt (Alluvium) Grey, moist, loose. Medium to coarse grained, subrounded to subangular. 4.50m: becomes medium dense. Trace fine to medium grained gravel, subrounded grains.																					
J		5.50m: becomes loose																							
	K			(SP)																				3, 5, 4 N=9	SPT
L		6.00m: with fine to medium grained gravel, subrounded grains.																							
	M																							3, 6, 6 N=12	SPT
N		5.50m: becomes loose																							
	O			(SP)																				2, 5, 6 N=11	SPT
P		6.00m: with fine to medium grained gravel, subrounded grains.																							
	Q																							3, 3, 3 N=6	SPT
R		6.00m: with fine to medium grained gravel, subrounded grains.																							
	S																							1, 3, 3 N=6	SPT
T		6.00m: with fine to medium grained gravel, subrounded grains.																							
	U	Silty CLAY trace sand (Alluvium) Mottled grey and red brown, moist, very stiff. Fine grained sand, medium to high plasticity. 7.00m: becomes hard. Trace fine to medium grained gravel, angular grains.																							2, 7, 10 N=17
V		8.00m: becomes very stiff																							
	W			(CI)																				4, 18, 23 N=41	SPT
X		8.50m: becomes mottled pale brown, dark grey and orange brown. Trace fine grained sand.																							
	Y																							5, 18, 21 N=39	SPT
Z		8.00m: becomes very stiff																							
	AA			(CI)																				7, 10, 13 N=23	SPT
AB		8.50m: becomes mottled pale brown, dark grey and orange brown. Trace fine grained sand.																							
	AC																							6, 12, 16 N=28	SPT
AD		Silty CLAY trace sand (Residual) Pale brown, dark grey and orange brown, moist, very stiff. Fine grained sand, medium plasticity.																							
	AE																							13, 20, 21 N=41	SPT
AF		Clayey SAND trace gravel (Residual)																							
	AG																							13, 30/140	SPT
AH																									
	AI																								
AJ																									
	AK																								
AL																									
	AM																								
AN																									
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Continued on next sheet

REMARKS: Kgwu = Wundaru Granodiorite

LOGGED BY

REVIEWED BY

T.Goosey

S.Foley



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## GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH279**

Sheet 2 of 2

REFERENCE No **H12431**

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T.Goosey

S.Foley

# CORE PHOTO LOG

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Phone 07 3066 3336

