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**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH303A**

Sheet 1 of 2

REFERENCE No

PROJECT **Mackay Ring Road**

LOCATION

COORDINATES **721557.1 E; 7663592.4 N**

PROJECT No **FG6184**

SURFACE RL **16.47m**

PLUNGE **90°**

DATE STARTED **07/10/2015**

GRID DATUM **GDA 94 / MGA 255**

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						
								EH	VH	H	M	J	VI	EL	EC	VC	C			M	W	VW	EW		
	16.17				Silty Gravelly SAND (Alluvium) Dark brown, moist, loosed to medium dense. Fine to medium grained sand and gravel, angular grains.		(SM)																		
	15.77																								
1				A	Sandy GRAVEL (Fill) Brown, moist, medium dense. Fine grained sand, fine to medium grained gravel, subangular to angular grains.																		2, 4, 4 N=8	SPT	
2				B	Sandy CLAY with silt (Fill) Mottled dark brown and red brown, moist, firm. Fine to coarse grained sand, low plasticity, trace roots.																		3, 4, 7 N=11	SPT	
3				C	1.40m: becomes mottled grey and orange brown, stiff. 2.50m: with some dark brown organic inclusions. 3.00m: minor zones of orange brown, medium dense, clayey sand trace gravel. Fine to coarse grained sand, fine grained gravel, angular grains.																		6, 9, 9 N=18	SPT	
	12.77																								
4	12.37				GRANODIORITE																			4.00m: No sample recovere	10/0 hb
			(0)		XW:		MW																		
			100		GRANODIORITE		HW																		
			(11)		HW: Brown, medium grained, massive, low to medium strength. Occasional XW zones: pale red, extremely low to very low strength.		XW																		
5							MW																		
			100		Js: 40° to 60°; (8/m); Pl/Ro; FL; Cly Ct;		HW																		
			(0)		Js: 75° to 85°; (3/m); Pl/Ro; FL; Cly Ct;		MW																		
			(0)		Js: 15° to 25°; (3/m); Pl/Ro; FL; Cly Ct;		HW																		
6							MW																		
			100		5.56 to 5.81m: Dolerite dyke, dark grey, fine grained, porphyritic, medium to high strength.		HW																		
	10.07		(0)				MW																		
							SW																		
7					DOLERITE		MW																		
			(0)		MW: Dark grey, fine grained, slightly porphyritic, medium to high strength. Locally highly fractured.		SW																		
					Js: 40° to 60°; (6/m); Pl/Ro; Cly Ct;		MW																		
	8.87				Js: 30° to 40°; (2/m); Pl/Ro; Cly Ct;		MW																		
			100		Js: 75° to 85°; (2/m); Pl-Un/Ro; Cly Ct;		SW																		
8																									
			(26)																						
	8.17				GRANODIORITE																				
					SW: Pale brown, medium to coarse grained, crystalline, massive, high to very high strength.		MW																		
			100		Js: 45° to 60°; (8/m); Pl/Ro; OP; Fe St;		SW																		
			(54)		Js: 75° to 85°; (2/m); Pl/Ro; OP; Fe St;		XW																		
9					Js: 15° to 30°; (4/m); Pl/Ro; OP; Fe		MW																		
	6.53						SW																		

Continued on next sheet

REMARKS:

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REVIEWED BY

G.Kennedy



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REFERENCE No

PROJECT Mackay Ring Road

LOCATION

COORDINATES 721557.1 E; 7663592.4 N

PROJECT No FG6184

SURFACE RL 16.47m

PLUNGE 90°

DATE STARTED 07/10/2015

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
11					St; DOLERITE SW: Blue grey and brown grey, fine to medium grained, massive, high to very high strength. Js: 40° to 60°; Pl/Ro; CA Ct or Fe St; Js: 75° to 85°; (2/m); Pl/Ro; Fe St; Js: 15° to 30°; (2/m); Pl/Ro; Fe St; Borehole completed at 9.94m						
12											
13											
14											
15											
16											
17											
18											
19											

REMARKS:

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G.Kennedy