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**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH305**

Sheet 1 of 2

REFERENCE No

PROJECT **Mackay Ring Road**

LOCATION

COORDINATES **721502.8 E; 7663553.2 N**

PROJECT No **FG6184**

SURFACE RL **19.79m**

PLUNGE **90°**

DATE STARTED **06/10/2015**

GRID DATUM **GDA 94 / MGA 255**

JOB No **242/10G/906**

HEIGHT DATUM **A.H.D.**

BEARING **°**

DATE COMPLETED **06/10/2015**

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		
1	19.19			A	Silty SAND with gravel (Topsoil) Dark brown, moist, loose to medium dense. Fine to medium grained sand, subrounded grains, fine to medium grained gravel, subangular grains.					0.50m-0.60m: Possible gravel fill	
2				B	Silty SAND trace clay and gravel (Residual) Pale brown, dry to moist, medium dense. Fine to medium grained sand, subrounded grains. 1.70m: becomes pale brown to pale grey brown, dense.	(SM)					3, 6, 6 N=12 SPT
3				C							3, 11, 21 N=32 SPT
4	16.39			D	3.20m: becomes pale brown, very dense. GRANODIORITE XW: Recovered as brown, dry to moist, very dense, clayey gravelly sand. Medium to coarse grained sand, subrounded to subangular grains, fine to medium grained gravel, subangular grains.						4, 30/120 SPT
5						XW				4.00m-4.27m: Weathered calcite veins in sample.	26, 30/120 SPT
6	14.79			(0)	GRANODIORITE SW: Pale grey and pale brown, medium to coarse grained, crystalline, massive, very high strength. Slightly metamorphosed. Js: 5° to 15°; (8/m); Pl/Ro; OP; Cn, minor Fe St; Js: 70° to 80°; (3/m); Pl/Ro; OP; CA Ct 1mm, or Cn; Js: 55° to 65°; (2/m); Pl/Ro; OP; Fe St;					5.00m: No sample recovered	hb
7			100 (47)			SW				5.66m-5.73m: CZ: sand, rock fragments	
8	13.19		100 (0)							6.52m-6.60m: CZ: sand, rock fragments 6.74m-6.79m: CZ: sand, rock fragments 6.93m-7.00m: CZ: sand, rock fragments, trace clay	
9			100 (0)			MW				7.52m-7.56m: SZ: 70°; Pl; Cly	
10			100 (0)			SW				7.96m-8.15m: handling breaks around fractured rockmass	
11			100 (0)			MW				8.30m-9.34m: HFZ: defects typically Fe St, some Cly. Rock fragments jamming drilling rods	
12	10.45		100								

Continued on next sheet

REMARKS:

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REVIEWED BY

G.Kennedy



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BOREHOLE No **BH305**

Sheet 2 of 2

REFERENCE No _____

PROJECT Mackay Ring Road

LOCATION _____

COORDINATES 721502.8 E; 7663553.2 N

PROJECT No FG6184

SURFACE RL 19.79m

PLUNGE 90°

DATE STARTED 06/10/2015

GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906

HEIGHT DATUM A.H.D.

BEARING °

DATE COMPLETED 06/10/2015

DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER Casing Washing Cone Drilling	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
11					8.30m: medium strength. Js: 5° to 15°; (20/m); Pl-St/Ro; OP; Fe St; Js: 70° to 80°; (5/m); Un/Ro; OP; CA Ct or Cly Ct; Js: 40° to 50°; (15/m); Pl/Ro-Sm; OP; Fe St; Borehole completed at 9.34m						
12											
13											
14											
15											
16											
17											
18											
19											

REMARKS:

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G.Kennedy