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## **GEOTECHNICAL BOREHOLE LOG**

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

DRAFT 28/01/2016

BH305A

**REVIEWED BY** 

LOGGED BY

G.Kennedy

Sheet 1 of 2

REFERENCE No

BOREHOLE No

PROJE	СТ	Ν	Лас	kay Rin	g Ro	ad							
LOCATION				COORDINATES 721522.7 E; 7663551.6 N									
PROJE	OJECT No FG6184 SURFACE RL 18.99		SURFACE RL 18.99m	PLUNGE 90°			DATE STAR	arted 07/10/2015 GRID DATUM GDA 94		MGA Z55			
JOB No 242/10G/906		)6	HEIGHT DATUM A.H.D.	BEA	RING_		DATE COMPLE	TED 07/10/2015	DRILLER Saxon Dril	ling			
DEPTH (m)	R.L. (m)	AUGER CASING	RQD ()% SOURE DUALLING CORE REC % REC %		SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY USCS WEATHERING		INTACT STRENGTH 핍兲ᅚ록ᅴᅱᇳ		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
- - - - - - - - - - - - - - - - - - -	18.59	-			A	Silty SAND trace gravel (Topsoil) Dark brown, moist, loose to medium dense. Fine grained sand, fine to medium grained gravel, subangular grains. Gravelly SAND trace silt (Residual) Pale brown, moist, dense to very dense. Fine to coarse grained sand, subrounded grains, fine to medium		(SP)				20, 25, 21 N=46	SPT
- - - - - - -	45.00				В	grained gravel, subrounded to subangular grains. 1.10m: Fine grained sand (XW DOLERITE), gravel is subangular, platy. Silty SAND with gravel (Residual) Pale brown, dry to moist, dense.	XXXXXXX	(SM)		- 		7, 16, 17 N=33	SPT
- - - - - - -	15.99				С	Fine grained sand, fine to medium grained gravel, angular grains. Gravelly Silty SAND (Residual) Pale brown, dry, dense to very dense.						18, 30/110 hb	SPT
4 	13.99				D	Fine grained sand, fine to medium grained gravel, angular grains.	XXXXXXXX	(SM)			4.06m: Gravel in base of SP	T sampl 30/60 hb	SPT  
- 5 	13.19			(26)		DOLERITE MW: Brown and grey, fine grained, massive, medium to high strength. Some mineralisation features at 45°. Js: 25° to 35°; (5/m); PI/Ro; OP/FL;		мw	M H	c	5.00m: No sample recovere	2d 10/0 hb	
- - - - - - - - - - - - - - - - - - -				100 (0) 100 (63) 100		Fe St, some Cly Ct; ls: 75° to 85°; (4/m); Pl/Ro; FL; Cly Ct; GRANODIORITE \$W: Pale grey and brown, medium to coarse grained, crystalline, massive, typically high to very high strength. Some alteration and silicification present. Minor thin	+ + + + + + + + + + + + + + + + + + +	SW	VH MH VH VH VH	c vc M	6.00m-6.13m: SZ: rock frag and clay infill, disturbed fur handling 6.13m-6.26m: HFZ; defects typically PI/Ro; Cly Ct; 6.43m-6.52m: SZ: 50°; PI; C rock fragments.	ther by are	
- 8	10.09			(45)		dykes of dolerite throughout. Weathered calcite veining. s: 40° to 60°; (5/m); PI/Ro; OP/FL; Cly Ct, minor Fe St; s: 20° to 30°; (2/m); PI/Ro; OP/FL; Cly Ct; s: 75° to 85°; (1/m); PI/Ro; FL; Cly Ct;	<pre>&gt; + + + + + + + + + + + + + + + + + + +</pre>	SW SW	M VH H H-VH	c M VC	7.71m-7.78m: CZ: 35°; Fe S fragments;	t, rock	

Js: 20° to 30°; (8/m); 6.85m: Js: 40° to 50°; (3/m); Pl/Ro; Cly Ct, Fe St;

Js: 20° to 30°; (1/m); PI-Un/Ro; Fe

Js: 75° to 85°; (2/m); Pl/Ro; FL; Cly Continued on next sheet

St

6.65 to 6.85m:

**REMARKS**:

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TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

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## **GEOTECHNICAL BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND

BH305A

DRAFT 28/01/2016

Sheet 2 of 2

G.Kennedy

BOREHOLE No

Laborator relation						MBOLS	REFER FORM F:GE	DT 017/8-2014	REFERENCE NO				
PROJECT Mackay Ring Road													
LOCATION									COORDINATES 721522.7 E; 7663551.6 N				
PROJECT No FG6184			SURFACE RL 18.99m			INGE 9	0°	DATE STARTE	D 07/10/201	5 GRID DATUM	гим GDA 94 / MGA Z55		
JOB No	242/10G,	906	HEIGHT DATUM	HEIGHT DATUM A.H.D.		RING _		DATE COMPLETE	D 07/10/201	L5 DRILLER S	DRILLER Saxon Drilling		
DEPTH (m)				RIPTION	ГІТНОГОGY	USCS WEATHERING	INTACT STRENGTH 표근구구우그구道	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS	
			6.85m: Js: 40° to 50°, Cly Ct, Fe St; Js: 20° to 30°; (1/m); St; Js: 75° to 85°; (2/m); Ct, CA Ct; 8.00m: Js: 20° to 30°; Some mineralisation at 55°. Borehole complete	PI-Un/Ro; Fe PI/Ro; FL; Cly ; (3/m); and alteration									
REMARKS: LOGGED BY REVIEWED BY													

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