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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH247**

Sheet 1 of 3

REFERENCE No **H12256**

PROJECT **Mackay Ring Road**

LOCATION **Pioneer River Bridge, Pier 15 (CL)**

COORDINATES **721353.1 E; 7660523.8 N**

PROJECT No **FG6184**

SURFACE RL **3.34m**

PLUNGE **90°**

DATE STARTED **20/11/2015**

GRID DATUM **GDA 94 / MGA 255**

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

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

BEARING **°**

DATE COMPLETED **22/11/2015**

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
1					SAND (Fill) Brown, moist, very loose to loose. Fine to coarse grained; trace silt; trace gravel.					1.00m: No SPT test	
2				B	2.0m: Very loose.	(SW)					3, 1, 2 N=3 SPT
3				C							1, 1, 1 N=2 SPT
4				D	4.0m: Becoming medium dense.						5, 7, 11 N=18 SPT
				E							7, 11, 10 N=21 SPT
5	-1.66			F	Gravelly SAND (Alluvium) Brown, wet, loose becoming medium dense with depth.	(SW)					7, 4, 3 N=7 SPT
				G							2, 4, 11 N=15 SPT
6	-2.66			H	Silty SAND (Alluvium) Grey, wet, medium dense. Fine to medium grained; trace gravel.						1, 4, 7 N=11 SPT
				I							7, 11, 14 N=25 SPT
7				J		(SM)					7, 8, 11 N=19 SPT
				K							11, 11, 8 N=19 SPT
8				L	8.0m: Fine to coarse grained sand.						5, 7, 9 N=16 SPT
	-5.16			M	Clayey Silty SAND (Alluvium) Pale grey, moist to wet, medium dense. Fine to coarse grained sand.						5, 7, 9 N=16 SPT
9				N		(SM)					6, 9, 12 N=21 SPT
				O	9.5m: Becoming dense.						10, 15, 19 N=34 SPT
	-6.66										

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REMARKS: Kgwu = Wundaru Granodiorite

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REVIEWED BY

T. Goosey

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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH247**

Sheet 2 of 3

REFERENCE No **H12256**

PROJECT Mackay Ring Road

LOCATION Pioneer River Bridge, Pier 15 (CL) COORDINATES 721353.1 E; 7660523.8 N

PROJECT No FG6184 SURFACE RL 3.34m PLUNGE 90° DATE STARTED 20/11/2015 GRID DATUM GDA 94 / MGA 255

JOB No 242/10G/906 HEIGHT DATUM A.H.D. BEARING ° DATE COMPLETED 22/11/2015 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											
	-7.16			P	CLAY (Alluvium) Brown, moist, hard. Low to medium plasticity; trace sand,		(CL)										9, 16, 25 N=41	SPT		
	-7.66			Q	Sandy CLAY (Residual) Brown grey, moist, hard. Low plasticity; fine to medium grained sand.		(CL)										21, 30/100mm	SPT		
11				R	Silty CLAY (Residual) Pale grey, moist, hard. Low plasticity; trace sand.		(CL)										11, 21, 29 N=50	SPT		
12				S														22, 28, 30/80mm hb	SPT	
13				T														21, 30/130mm hb	SPT	
14	-10.66			U	GRANODIORITE (Kgwu) XW: Recovered as Gravelly Clayey SAND. Pale grey mottled brown, moist, very dense.													30/120mm hb	SPT	
15				V			XW											30/130mm hb	SPT	
16				W	16.0m: Silty Gravelly SAND.													30/60mm hb	SPT	
17				X	17.0m: Recovered as Silty Clayey SAND. Fine to medium grained.													30/30mm hb	SPT	
18				Y															30/70mm hb	SPT
19				Z															30/80mm hb	SPT
	-16.66																			

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REMARKS: Kgwu = Wundaru Granodiorite

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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH247**

Sheet 3 of 3

REFERENCE No **H12256**

PROJECT	Mackay Ring Road
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LOCATION	Pioneer River Bridge, Pier 15 (CL)
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COORDINATES 721353.1 E; 7660523.8 N

PROJECT No FG6184

SURFACE RL 3.34m

PLUNGE 90°

DATE STARTED 20/11/2015

GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906

HEIGHT DATUM A.H.D.

BEARING °

DATE COMPLETED 22/11/2015

DRILLER Cairns Drilling

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REMARKS: Kgwu = Wundaru Granodiorite

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CORE PHOTO LOG

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