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**Queensland  
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**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH233**

Sheet 1 of 3

REFERENCE No **H12242**

PROJECT	Mackay Ring Road		
LOCATION	Pioneer River Bridge, Pier 10 (RHS)	COORDINATES	721336.7 E; 7660349.5 N
PROJECT No	FG6184	SURFACE RL	3.35m
		PLUNGE	90°
		DATE STARTED	26/10/2015
		GRID DATUM	GDA 94 / MGA 255
JOB No	242/10G/906	HEIGHT DATUM	A.H.D.
		BEARING	°
		DATE COMPLETED	27/10/2015
		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
0					SAND trace gravel (Fill) Brown, moist, loose to medium dense. Fine to coarse grained sand, fine to medium grained gravel, rounded grains.								
1				A	1.00m: becomes medium dense.						7, 13, 16 N=29		
2				B	2.00m: becomes wet, loose.						5, 3, 3 N=6		
3				C	3.00m: becomes very loose.						1, 2, 1 N=3		
4				D	4.00m: becomes loose.					4.00m-4.45m: No sample recovered	6, 4, 4 N=8		
5	-1.65			E	Gravelly SAND (Alluvium) Brown, wet, loose. Fine to coarse grained sand, fine to coarse grained gravel, rounded grains.	(SP)					6, 4, 4 N=8		
6	-2.65			F	SAND trace gravel (Alluvium) Brown, wet, loose. Fine to coarse grained sand.						3, 4, 4 N=8		
7				G	7.00m: becomes dense.	(SP)					13, 19, 22 N=41		
8	-4.65			H	Silty SAND (Alluvium) Grey brown, moist, medium dense. Fine to medium grained sand.	(SM)					8, 11, 15 N=26		
9	-5.65			I	Sandy CLAY (Alluvium) Brown, moist, very stiff. Fine to medium grained sand, medium to high plasticity.	(CH)					6, 10, 14 N=24		
10	-6.65												

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REMARKS: Kgwu = Wundaru Granodiorite

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
T.Goosey	S.Foley



**Queensland  
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**GEOTECHNICAL  
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BOREHOLE No **BH233**

Sheet 2 of 3

REFERENCE No **H12242**

PROJECT	Mackay Ring Road				
LOCATION	Pioneer River Bridge, Pier 10 (RHS)			COORDINATES 721336.7 E; 7660349.5 N	
PROJECT No	FG6184	SURFACE RL	3.35m	PLUNGE	90°
				DATE STARTED	26/10/2015
				GRID DATUM	GDA 94 / MGA 255
JOB No	242/10G/906	HEIGHT DATUM	A.H.D.	BEARING	°
				DATE COMPLETED	27/10/2015
				DRILLER	Cairns Drilling

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CONE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
												EH	VH
11				J	Sandy CLAY (Alluvium) Brown grey, moist, hard. Fine to medium grained sand, medium to high plasticity.						8, 16, 25 N=41	SPT	
				K	11.00m: becomes green grey	(CH)					6, 13, 20 N=33	SPT	
				L	12.00m: becomes brown and pale grey.						10, 30/140	SPT	
13	-9.80			M	Sandy Clayey GRAVEL (Residual) Pale grey white, moist, very dense.	(GC)					8, 30/150	SPT	
14	-10.65			N	Clayey SAND (Residual) Grey brown, moist, very dense. Fine to medium grained sand, low plasticity.						15, 30/130	SPT	
				O	15.00m: trace gravel						30/130	SPT	
				P							30/90	SPT	
				Q		(SC)					30/80	SPT	
				R							30/40 hb	SPT	
				S							30/120 hb	SPT	
	-16.15		(26)		GRANODIORITE (Kgwu)		MW			19.60m-19.80m: BZ			
	-16.65												

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REMARKS: Kgwu = Wundaru Granodiorite

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**CORE PHOTO LOG**

DEPARTMENT OF TRANSPORT AND MAIN ROADS  
 Geotechnical Section  
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Project Name	<b>Mackay – Ring Road (Stage 2)</b>		
Project No.	FG6184	Date	27/10/15
Borehole No.	BH 233	TMR H No.	H12242
Location	Pioneer River Bridge	Start Depth (m)	19.50
Detail	Pier 10, RHS	Finish Depth (m)	26.30
Chainage		Submitted By	M.Ensor
Remarks			

