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**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH223**

Sheet 1 of 3

REFERENCE No **H12232**

PROJECT	Mackay Ring Road				
LOCATION	Pioneer River Bridge, Pier 7 (CL)			COORDINATES 721312.1 E; 7660247.1 N	
PROJECT No	FG6184	SURFACE RL	7.78m	PLUNGE	90°
				DATE STARTED	08/09/2015
				GRID DATUM	GDA 94 / MGA Z55
JOB No	242/10G/906	HEIGHT DATUM	A.H.D.	BEARING	°
				DATE COMPLETED	09/09/2015
				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	TH	M	J	VL	EL	EC	VC	C			M	W	VW	EW
1	6.28			Z	Silty SAND (Alluvium) Brown, dry, loose to very loose. Fine grained sand. 0.50m: becomes moist		(SM)													2, 2, 3 N=5	SPT		
				ZX																	3, 2, 2 N=4	SPT	
				A	1.00m: trace clay. Fine to medium grained sand.																2, 2, 1 N=3	SPT	
2	5.78			AX	Sandy CLAY (Alluvium) Brown, moist, stiff. Fine grained sand, high plasticity.		(CH)													2, 5, 4 N=9	SPT		
				B	Silty SAND trace clay (Alluvium) Brown, moist, very loose. fine to medium grained sand. 2.50m: becomes loose.			(SM)													hw, hw, hw N<1	SPT	
				BX																	4, 5, 4 N=9	SPT	
3	4.78			C	Gravelly SAND (Alluvium) Brown grey, moist, medium dense. Fine to coarse grained sand, fine to medium grained gravel; subangular to rounded.															5, 7, 6 N=13	SPT		
				CX	4.00m: with gravel lenses.																5, 5, 6 N=11	SPT	
				D																	7, 6, 5 N=11	SPT	
4				DX																10, 11, 11 N=22	SPT		
				E	5.5m: Becoming dense.																9, 11, 10 N=21	SPT	
				EX	6.0m: Becoming medium dense.			(SP)														12, 17, 17 N=34	SPT
F																7, 6, 5 N=11	SPT						
FX																	7, 8, 10 N=18	SPT					
5				G																10, 11, 13 N=24	SPT		
				GX																	6, 5, 6 N=11	SPT	
				H																		10, 8, 10 N=18	SPT
6				HX																11, 9, 11 N=20	SPT		
				I	GRAVEL with sand (Alluvium) Pale grey, wet, medium dense. Fine to coarse grained sand, fine to medium gravel, subrounded to angular.			(GP)														17, 13, 8 N=21	SPT
				IX																	7, 6, 8 N=14	SPT	
7	-1.22																						
8																							
9	-2.22																						

Continued on next sheet

REMARKS: Kgwu = Wundaru Granodiorite

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REVIEWED BY

C.Boyes

S.Foley



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BOREHOLE No **BH223**

Sheet 2 of 3

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LOCATION	Pioneer River Bridge, Pier 7 (CL)			COORDINATES 721312.1 E; 7660247.1 N	
PROJECT No	FG6184	SURFACE RL	7.78m	PLUNGE	90°
				DATE STARTED	08/09/2015
				GRID DATUM	GDA 94 / MGA Z55
JOB No	242/10G/906	HEIGHT DATUM	A.H.D.	BEARING	°
				DATE COMPLETED	09/09/2015
				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										
11 <																			

REMARKS: Kgwu = Wundaru Granodiorite

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LOCATION	Pioneer River Bridge, Pier 7 (CL)
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COORDINATES 721312.1 E; 7660247.1 N

PROJECT No	FG6184	SURFACE RL	7.78m	PLUNGE	90°	DATE STARTED	08/09/2015	GRID DATUM	GDA 94 / MGA Z55
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JOB No 242/10G/906 HEIGHT DATUM A.H.D. BEARING ° DATE COMPLETED 09/09/2015 DRILLER Saxon Drilling

REMARKS: Kgwu = Wundaru Granodiorite

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CORE PHOTO LOG

DEPARTMENT OF TRANSPORT AND MAIN ROADS
Geotechnical Section
35 Butterfield Street, Herston Qld 4006
Phone 07 3066 3336



Project Name	Mackay – Ring Road (Stage 2)		
Project No.	FG6184	Date	09/09/15
Borehole No.	BH 223	TMR H No.	H12232
Location	Pioneer River Bridge	Start Depth (m)	17.80
Detail	Pier 7, centerline	Finish Depth (m)	27.95
Chainage		Submitted By	M.Ensor
Remarks			

0 100 200 300 400 500 600 700


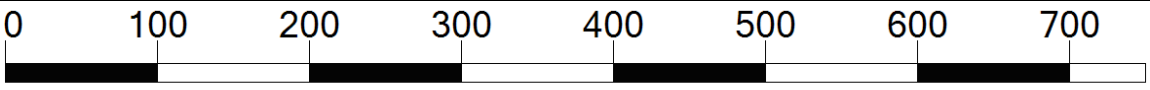
SCALE 1:5

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SCALE 1:5