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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH218**

Sheet 1 of 4

REFERENCE No **H12227**

PROJECT	Mackay Ring Road		
LOCATION	Pioneer River Bridge, Pier 5 (RHS)	COORDINATES 721310.9 E; 7660177.6 N	
PROJECT No	FG6184	SURFACE RL 7.50m	PLUNGE 90°
			DATE STARTED 30/08/2015
			GRID DATUM GDA 94 / MGA Z55
JOB No	242/10G/906	HEIGHT DATUM A.H.D.	BEARING °
			DATE COMPLETED 31/08/2015
			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
0.00	6.70				Silty CLAY (Topsoil) Dark brown, moist, firm. Trace rootlets.								
1.00				A	Silty SAND (Alluvium) Brown, dry, very loose. Fine grained sand, trace rootlets.						1, 2, 1 N=3 SPT		
2.00				B	2.00m: becoming fine to medium grained, loose.	(SM)					3, 2, 3 N=5 SPT		
3.00				C	3.00m: rootlets no longer evident, silt content decreasing						1, 2, 2 N=4 SPT		
4.00	3.50			D	SAND (Alluvium) Grey, moist, loose. Fine to coarse grained sand, trace gravel <30mm, rounded, trace silt.						1, 3, 4 N=7 SPT		
5.00				E	Gravel content increasing, becoming subrounded to subangular, becoming, medium dense.						3, 9, 7 N=16 SPT		
6.00				F	6.00m: Gravelly lense	(SP)					6, 5, 8 N=13 SPT		
7.00				G	7.00m: becoming fine to medium grained sand						4, 4, 14 N=18 SPT		
8.00				H	8.00m: gravel <40mm, subrounded to angular.					8.00m-8.45m: No sample recovered	17, 13, 10 N=23 SPT		
9.00	-1.20			I	Silty Clayey SAND (Alluvium) Pale grey, moist, medium dense. Fine grained sand, low plasticity fines.	(SC)					10, 9, 9 N=18 SPT		

Continued on next sheet

REMARKS: Kgwu = Wundaru Granodiorite

LOGGED BY	REVIEWED BY
C.Boyes	S.Foley

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	31/08/15
Borehole No.	BH 218	TMR H No.	H12227
Location	Pioneer River Bridge	Start Depth (m)	18.20
Detail	Pier 5, RHS	Finish Depth (m)	31.34
Chainage		Submitted By	M.Ensor
Remarks			



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SCALE 1:5