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**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH270A**

Sheet 1 of 4

REFERENCE No **H12422**

PROJECT Mackay Ring Road

LOCATION Calrossie Rd

COORDINATES 720894.7 E; 7657755.7 N

PROJECT No FG6184

SURFACE RL 11.80m

PLUNGE 90°

DATE STARTED 27/09/2015

GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906

HEIGHT DATUM A.H.D.

BEARING °

DATE COMPLETED 28/09/2015

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
1					Washbore down to termination depth of BH270 at 18.45m. First SPT at 19.00m.						
2											
3											
4											
5											
6											
7											
8											
9											
1.80											

Continued on next sheet

REMARKS: Kgwu = Wundaru Granodiorite

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REVIEWED BY

C.Boyes

S.Foley



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BOREHOLE No **BH270A**

Sheet 2 of 4

REFERENCE No **H12422**

PROJECT Mackay Ring Road

LOCATION Calrossie Rd COORDINATES 720894.7 E; 7657755.7 N

PROJECT No FG6184 SURFACE RL 11.80m PLUNGE 90° DATE STARTED 27/09/2015 GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906 HEIGHT DATUM A.H.D. BEARING ° DATE COMPLETED 28/09/2015 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
11					Washbore down to termination depth of BH270 at 18.45m. First SPT at 19.00m.						
12											
13											
14											
15											
16											
17											
18											
19	-7.20			A	Clayey SAND (Alluvium) Pale grey mottled brown, moist, medium dense to dense. Fine to medium grained.	(SC)				7, 10, 13 N=23	SPT
	-8.20										

Continued on next sheet

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BOREHOLE No **BH270A**

Sheet 3 of 4

REFERENCE No **H12422**

PROJECT	Mackay Ring Road
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LOCATION	Calrossie Rd
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COORDINATES 720894.7 E; 7657755.7 N

PROJECT No FG6184

SURFACE RL 11.80m

PLUNGE 90°

DATE STARTED 27/09/2015

GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906

HEIGHT DATUM A.H.D.

BEARING °

DATE COMPLETED 28/09/2015

DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER CASING	WASTEBORING CORE DRILLING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH										DEFECT SPACING						ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	LH	H	M	L	VL	EL	EC	LC	C	W	M	VW	EW				
					B	Clayey SAND (Alluvium) (Cont'd) 20.10m: becomes blue and pale grey. Fine to coarse grained sand.		(SC)																	10, 14, 22 N=36	SPT
21					C																				12, 15, 15 N=30	SPT
	-9.90				D	GRANODIORITE (Kgwu) XW: Recovered as grey speckled dark grey, moist, hard, sandy silty clay. Fine to medium grained sand, low to medium plasticity. Trace pyrite.																			8, 13, 17 N=30	SPT
23					E			XW																	30, 30/115	SPT
24					F																				25, 28, 30/110	SPT
25					G	25.00m: Pyrite content increasing.																			30/70 hb	SPT
26	-14.20				H	GRANODIORITE (Kgwu) HW: Orange, grey and dark grey, medium to coarse grained, massive, extremely low to very low strength. Highly fractured. Js: 5° to 15°; (<50/m); Pl/Ro; OP-CD; Fe St or Sinf; Js: 30° to 40°; (<4/m); Pl/Sm; OP; Fe St or Sinf;		HW																30/60 hb	SPT	
27																									30/60 hb	SPT
28				(0)																					28.00m: No sample recovered	hb
								HW																28.33m-28.41m: HFZ; XW zone, Sinf;	Is(50)=0.19 MPa	
								XW																28.61m-28.87m: HFZ; XW, Sinf;	Is(50)=0.10 MPa	
29				100 (0)				HW																29.00m-29.04m: XW zone, Cly FL;	Is(50)=0.06 MPa	A (29.33m)
								XW																	Is(50)=0.09 MPa	D (29.83m)
	-18.20							XW																		

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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



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