DRAFT 28/01/2016

Queensland Government

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH307**

Sheet 1 of 2

REFERENCE No

PROJECT Mackay Ring Road

LOCATION Bruce Highway

COORDINATES 722294.5 E; 7663398.3 N

PROJECT No FG6184 | SURFACE RL 11.65m | PLUNGE 90° | DATE STARTED 13/10/2015 | GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906 | HEIGHT DATUM A.H.D. | BEARING ° | DATE COMPLETED 14/10/2015 | DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	RQD ( ) % / CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USCS WEATHERING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0		(100) 100		Gravelly Cobbly CLAY trace boulders (Fill) Brown and grey, dry to moist, soft to hard. Boulders are angular <200mm.		0.20m-0.80m: Boulder encountered	
1			A			1.00m-1.45m: No sample recovered 3, 2, 2 N=4	SPT
	9.95			CLAY (Alluvium) Dark grey, moist to wet, very soft. High plasticity, trace roots.			
2			B			, 1, 1 N=2	SPT
			U25		(CH)	Su(PP)=69 kPa	U50
3			C	3.00m: becomes moist. Medium to high plasticity.		Su(PP)=54 kPa Su(PP)=49 kPa Su(PP)=74 kPa	SPT
	7.95			CLAY (Alluvium) Dark grey and brown grey, moist, firm. Low to medium plasticity.		2, 2, 2 N=4	
4			D			2, 3, 3 N=6	SPT
					(CI)		
5			E			2, 2, 2 N=4	SPT
	5.95			Sandy CLAY (Alluvium) Dark grey and grey, moist, firm. Fine grained sand, medium plasticity.	(CI)		
6	5.35		F			2, 3, 3 N=6	SPT
				Sandy Silty CLAY (Alluvium) Yellow brown, moist, very stiff. Fine grained sand, low to medium plasticity.			
7			G	7.00m: becomes medium dense.	(SC)	9, 10, 13 N=23	SPT
	3.85			Silty Clayey SAND (Residual) Pale grey, moist, medium dense. Fine to medium grained sand.			
8			H			6, 9, 12 N=21	SPT
					(SC)		
9			I	9.00m: clay content increasing.		17, 15, 13 N=28	SPT
	1.65						

Continued on next sheet

REMARKS:

LOGGED BY	REVIEWED BY
C.Boyes	

DRAFT 28/01/2016

Queensland Government

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH307**

Sheet 2 of 2

REFERENCE No

PROJECT Mackay Ring Road

LOCATION Bruce Highway

COORDINATES 722294.5 E; 7663398.3 N

PROJECT No FG6184 | SURFACE RL 11.65m | PLUNGE 90° | DATE STARTED 13/10/2015 | GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906 | HEIGHT DATUM A.H.D. | BEARING ° | DATE COMPLETED 14/10/2015 | DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER / CASING / WASH BORING / CORE DRILLING	RQD ( ) % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH (EH VH H M L VL EL)	DEFECT SPACING (EC VC C M W VW EW)	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
11				J	Silty Clayey SAND (Residual) (Cont'd) 10.00m: becomes pale brown and grey.					11, 13, 14 N=27	SPT
11				K			(SC)			9, 12, 17 N=29	SPT
12				L	12.00m: becomes very dense.					10, 18, 18 N=36	SPT
13	-1.40			M	DOLERITE XW: Recovered as green grey, moist, very dense, sandy gravel. Gravel is angular.					30/100 hb	SPT
14	-2.35		(34)		DOLERITE SW: Green grey, fine grained, porphyritic, very high strength. Gradual increase in grain size.			VH-EH	C C M	14.00m: No sample recovered 14.18m-14.20m: HW zon hb	
			100								
15			(93)		Js: 5° to 15°; (~2/m); Pl/Sm; OP; Fe St or Cn; Js: 50° to 70°; (~2/m); Pl/Sm; OP; Fe St or Cn;				M C		
			100								
16			(100)				SW		M		
17									W		
			100								
18			(89)		17.40m: becomes medium to coarse grained.				M C M		
	-6.80		100		Borehole completed at 18.45m						
19											

REMARKS:

LOGGED BY	REVIEWED BY
C.Boyes	

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI