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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH217A**

Sheet 1 of 4

REFERENCE No **H12418**

PROJECT Mackay Ring Road

LOCATION Pioneer River Bridge, Pier 5 (CL) COORDINATES 721300.9 E; 7660178.2 N

PROJECT No FG6184 SURFACE RL 7.51m PLUNGE 90° DATE STARTED 07/09/2015 GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906 HEIGHT DATUM A.H.D. BEARING ° DATE COMPLETED 08/09/2015 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 to depth of 19.50m. Not logged. Refer to BH217.						
2											
3											
4											
5											
6											
7											
8											
9											
-2.49											

Continued on next sheet

REMARKS: Kgwu = Wundaru Granodiorite

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REVIEWED BY

C.Boyes

S.Foley



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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH217A**

Sheet 2 of 4

REFERENCE No **H12418**

PROJECT Mackay Ring Road

LOCATION Pioneer River Bridge, Pier 5 (CL) COORDINATES 721300.9 E; 7660178.2 N

PROJECT No FG6184 SURFACE RL 7.51m PLUNGE 90° DATE STARTED 07/09/2015 GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906 HEIGHT DATUM A.H.D. BEARING ° DATE COMPLETED 08/09/2015 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 to depth of 19.50m. Not logged. Refer to BH217.						
12											
13											
14											
15											
16											
17											
18											
19											
-11.99											
			(8)		Start coring at 19.50m						
-12.49					MICRODIORITE MW:		MW				
										19.85m-19.91m: HW zone	
										Is(50)=0.45 MPa	A (19.70m)
										Is(50)=0.96 MPa	A (19.92m)

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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No. **BH217A**

Sheet 3 of 4

REFERENCE No **H12418**

PROJECT	Mackay Ring Road
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LOCATION	Pioneer River Bridge, Pier 5 (CL)
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COORDINATES 721300.9 E; 7660178.2 N

PROJECT No. FG6184

SURFACE RI 7.51m

PLUNGE 90°

DATE STARTED 07/09/2015

GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906

HEIGHT DATUM A.H.D.

BEARING °

DATE COMPLETED 08/09/2015

DRILLER Saxon Drilling

[illegible]

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REMARKS: Kgwu = Wundaru Granodiorite

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GEOTECHNICAL BOREHOLE LOG

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BOREHOLE No **BH217A**

Sheet 4 of 4

REFERENCE No **H12418**

PROJECT Mackay Ring Road

LOCATION Pioneer River Bridge, Pier 5 (CL) COORDINATES 721300.9 E; 7660178.2 N

PROJECT No FG6184 SURFACE RL 7.51m PLUNGE 90° DATE STARTED 07/09/2015 GRID DATUM GDA 94 / MGA Z55

JOB No 242/10G/906 HEIGHT DATUM A.H.D. BEARING ° DATE COMPLETED 08/09/2015 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	_L	_VL	_EL	_EC	_VC	_C	_M	_W			_VW	_EW		
	-22.79		(96)		GRANODIORITE SW: (Cont'd)	+	SW																Is(50)=1.60 MPa	A (30.15m)	
					MICRODIORITE SW: Grey, fine grained, massive, very high strength.	+																			
31	-23.51		100		Js: 5° to 15°; (3/m); Pl/Ro; OP; Borehole completed at 31.02m	+	SW																	Is(50)=6.50 MPa Is(50)=2.30 MPa	A (30.65m) D (30.77m)
32																									
33																									
34																									
35																									
36																									
37																									
38																									
39																									

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	08/09/15
Borehole No.	BH 217A	TMR H No.	H12226
Location	Pioneer River Bridge	Start Depth (m)	19.50
Detail	Pier 5, centreline	Finish Depth (m)	31.02
Chainage		Submitted By	M.Ensor
Remarks			

0 100 200 300 400 500 600 700

SCALE 1:5

CORE PHOTO LOG

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Geotechnical Section
35 Butterfield Street, Herston Qld 4006
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Project Name	Mackay – Ring Road (Stage 2)		
Project No.	FG6184	Date	08/09/15
Borehole No.	BH 217A	TMR H No.	H12226
Location	Pioneer River Bridge	Start Depth (m)	19.50
Detail	Pier 5, centreline	Finish Depth (m)	31.02
Chainage		Submitted By	M.Ensor
Remarks			

0 100 200 300 400 500 600 700

SCALE 1:5