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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No	<u>BH113</u>
SHEET	<u>1</u> of <u>3</u>
REFERENCE No	<u>H10866</u>

PROJECT WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE
 LOCATION Abutment B, LHS COORDINATES 718811.2 E; 7655043.0 N
 PROJECT No FG5635 SURFACE R.L. 10.45m PLUNGE _____ DATE STARTED 22/9/10 GRID DATUM MGA94 Zone 55
 JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 22/9/10 DRILLER Cairns Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VI	NI	J	VL				
0	10.45					Silty CLAY (ALLUVIAL) Pale grey, moist, firm to stiff.	(CH)								Based on Driller's logs only		
1	9.35				A	Sandy Silty CLAY (ALLUVIAL) Light brown to mottled orange, moist, very stiff. High plasticity; fine grained sand.	(CH)								8,7,11 N=18	SPT	
2					B	Sandy CLAY (ALLUVIAL) Mottled brown-grey, moist, mainly very stiff to hard. High plasticity; minor coarse sand.	(CH)								6,10,14 N=24	SPT	
3	7.75				C		(CH)								7,11,14 N=25	SPT	
4					D		(CH)								7,13,18 N=31	SPT	
5					E	Sandy CLAY (ALLUVIAL) Pale grey-orange, moist, hard. High plasticity; fine grained sand.	(CH)								24,30/30mm N>50	SPT	
6	3.45				F		(CH)								30/149mm N>50	SPT	
7					G										17,30/149mm N>50	SPT	
8	1.15			(0)		GRANODIORITE Intrusive, coarse grained, massive, crystalline, acidic igneous rock HW: (See over)	HW								Is(50) = 0.02MPa	x	
9																	
10																	

REMARKS _____

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JLo / ME



ENGINEERING BOREHOLE LOG

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SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH113
SHEET 2 of 3
REFERENCE No H10866

PROJECT WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE
LOCATION Abutment B, LHS COORDINATES 718811.2 E; 7655043.0 N
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JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 22/9/10 DRILLER Cairns Drilling

QLD_DMIR_LIB_01A.GLB Log_A_ENGINERING BOREHOLE LOG W LITHOLOGY BAKERS FG5635- WALKERSTON BYPASS.GPJ <-DrawingFile> Datgel CPT Tool gINI.Add-in 01/09/2011 14:56

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING							DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	I	M	J	L	EL				
10	0.45					GRANODIORITE HW: (Cont'd) Grey, orange, brown-speckled grey, medium to coarse grained, massive, very low to low strength.												Is(50) = 0.02MPa	o
11			100	(0)														Is(50) = 0.02MPa Is(50) = 0.04MPa	o x
12			100	(0)														Is(50) = 0.06MPa Is(50) = 0.02MPa Is(50) = 0.03MPa	x o o
13			100	(0)														Is(50) = 0.04MPa	x
14			100	(0)														Is(50) = 0.04MPa Is(50) = 0.07MPa	o x
15			100	(0)														Is(50) = 0.07MPa Is(50) = 0.07MPa	x o
16			100	(0)														Is(50) = 0.20MPa Is(50) = 0.04MPa	x o
17			100	(0)														Is(50) = 0.04MPa Is(50) = 0.06MPa	o x
18			100	(0)														Is(50) = 0.06MPa Is(50) = 0.19MPa	o x
19			100	(0)														Is(50) = 0.02MPa Is(50) = 0.01MPa	o x
20																			

REMARKS _____

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ENGINEERING BOREHOLE LOG

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BOREHOLE No BH113
SHEET 3 of 3
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DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
										EH	VH	I	M	J				
20	-9.55					GRANODIORITE HW: (Cont'd)										Is(50) = 0.01MPa Is(50) = 0.02MPa	x o	
21			100 (0)			Numerous weathered striated inclusions of possible microdiorite.										Is(50) = 0.02MPa Is(50) = 0.03MPa	o x	
22			100 (0)													Is(50) = 0.01MPa Is(50) = 0.01MPa	x o	
23								HW								Is(50) = 0.01MPa	x	
24			88 (0)													Is(50) = 0.04MPa Is(50) = 0.02MPa	o x	
25			93 (67)													Is(50) = 0.01MPa Is(50) = 0.05MPa	x o	
26	-15.05					GRANODIORITE SW: Pale grey-speckled dark grey, medium to coarse grained, very high strength.		SW								Is(50) = 9.54MPa Is(50) = 9.38MPa	x o	
	-16.05		100			Defects: Nil(?)												
27						Borehole terminated at 26.5m												
28																		
29																		
30																		

REMARKS _____

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Project: **Walkerston Bypass (Bakers Ck)**

Borehole No: **BH113**

Start Depth: 9.30m

Finish Depth: 26.50 m

Project No: FG5635

H No:



SCALE 1:5

F:GEO043/1

Project: **Walkerston Bypass (Bakers Ck)**

Borehole No: **BH113**

Start Depth: 9.30m

Finish Depth: 26.50 m

Project No: FG5635

H No:



SCALE 1:5

F:GEO043/1