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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No   BH101    
SHEET   1   of   4    
REFERENCE No   H10896  

PROJECT   WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE    
LOCATION   Abutment A, Centreline   COORDINATES   718726.3 E; 7655031.2 N    
PROJECT No   FG5635   SURFACE R.L.   10.39m   PLUNGE            DATE STARTED   3/11/10   GRID DATUM   MGA94 Zone 55    
JOB No            HEIGHT DATUM   AHD   BEARING            DATE COMPLETED   3/11/10   DRILLER   Drillsure Pty Ltd  

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	TH	M	J	VL				
0	10.39					<b>TOPSOIL</b> Grey, loamy.										Based on Driller's logs only		
1	9.59				A	<b>Silty CLAY (ALLUVIUM)</b> Brown, moist, firm to stiff.  Low plasticity; occasional coarse grained sand.	(CL)									2,3,3 N=6	SPT	
2	8.24				B	<b>Silty CLAY (ALLUVIUM)</b> Brown, moist, very stiff.  Low plasticity; occasional coarse sand particles.	(CL)									6,8,12 N=20	SPT	
4					C											8,11,15 N=26	SPT	
6	4.89				D	<b>GRANODIORITE</b> Intrusive, coarse grained, massive, crystalline, acidic igneous rock <b>XW:</b> Generally exhibits the engineering properties of brown-grey, moist, very stiff to hard, sandy clayey silt.										8,10,11 N=21	SPT	
7					E		XW									14,21,30 N>50	SPT	
9					F											12,15,25 N=40	SPT	
10																		

REMARKS \_\_\_\_\_

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JA



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BOREHOLE No   BH101    
SHEET   2   of   4    
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PROJECT   WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE    
LOCATION   Abutment A, Centreline   COORDINATES   718726.3 E; 7655031.2 N    
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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	VL	EL				
10	0.39				G	GRANODIORITE XW: (Cont'd)												11,12,17 N=29	SPT
11																			
12					H													11,14,17 N=31	SPT
13								XW											
14					J													11,16,19 N=35	SPT
15					K	Occasional fine gravel from 14.5m.												11,15,16 N=31	SPT
16	-5.61				L	GRANODIORITE HW: Brown-grey, moist, dense to very dense gravelly silty sand.												16,30,30 N>50	SPT
17																			
18					M			HW										13,25,24 N=49	SPT
19					N	Larger gravels throughout.												22,30/80,30/100 N>50	SPT
20																			

REMARKS \_\_\_\_\_

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BOREHOLE No   BH101    
SHEET   4   of   4    
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PROJECT   WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE    
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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
30	-19.61												
	-19.76		(61)			<b>GRANODIORITE</b>						Is(50) = 6.49MPa	x
	-19.79		100			<b>SW:</b> Pale grey and speckled black, massive, medium to coarse grained, very high to extremely high strength. Borehole terminated at 30.18m						Is(50) = 10.06MPa	o
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													

REMARKS \_\_\_\_\_

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Project: **Walkerston Bypass Bakers Ck Bridge**

Borehole No: **BH101**

Start Depth: **28.00m**

Finish Depth: 30.18 m

Project No: FG5635

H No: H10896



SCALE 1:5

F:GEOT043/1