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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

WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE **PROJECT** COORDINATES 718726.3 E; 7655031.2 N Abutment A, Centreline LOCATION 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 <u>Drillsure Pty Ltd</u> R.L. RQD INTACT DEFECT ADDITIONAL DATA ()% STRENGTH **SPACING** (m) DEPTH (m) **MATERIAL** AND CASSER CONTRACTOR **DESCRIPTION** WEAT

WEAT

WEAT

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S000 CORF **TEST RESULTS** nsc REC % 0 TOPSOIL Based on Driller's logs only Grey, loamy. 9.59 Silty CLAY (ALLUVIUM) Brown, moist, firm to stiff. 2,3,3 SPT Low plasticity; occasional coarse grained (CL) 8.24 Silty CLAY (ALLUVIUM) Brown, moist, very stiff. 6,8,12 Low plasticity; occasional coarse sand SPT N=20 (CL) 8.11.15 С SPT N=26 4.89 **GRANODIORITE** 8,10,11 D SPT Intrusive, coarse grained, massive, crystalline, acidic igneous rock XW: Generally exhibits the engineering properties of brown-grey, moist, very stiff to hard, sandy clayey silt. 14,21,30 Ε SPT XW 12,15,25 SPT LOGGED BY REMARKS_ JA



ENGINEERING BOREHOLE LOG

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

BOREHOLE No ______BH101___

SHEET ____2__ of ___4__

REFERENCE No H10896

WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE **PROJECT** Abutment A, Centreline COORDINATES 718726.3 E; 7655031.2 N LOCATION PROJECT No_FG5635_____ SURFACE R.L. <u>10.39m</u> PLUNGE ___ DATE STARTED <u>3/11/10</u> GRID DATUM <u>MGA94 Zone 55</u> JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 3/11/10 DRILLER Drillsure Pty Ltd R.L. RQD INTACT DEFECT AUGER CASING WASH BORING CORE DRILLING ADDITIONAL DATA ()% DEPTH (m) MATERIAL AND GRAPHIC SAMPLE **DESCRIPTION** TESTS CORE **TEST RESULTS** REC % 10 GRANODIORITE 11,12,17 G SPT XW: (Cont'd) N = 2911,14,17 Н SPT N=31 WALKERSTON BYPASS.GPJ <-DrawingFile>> Datgel CPT Tool glNt Add-In 01/09/2011 14:54 XW 11.16.19 SPT N=35 Occasional fine gravel from 14.5m. 11,15,16 SPT N=31 LIB_01A.GLB Log A_ENGINEERING BOREHOLE LOGW LITHOLOGY BAKERS FG5635--5.61 **GRANODIORITE** 16,30,30 SPT HW: Brown-grey, moist, dense to very N>50 dense gravelly silty sand. 13,25,24 SPT М HW Larger gravels throughout. 22,30/80,30/100 Ν SPT N>50 9 LOGGED BY REMARKS_ JA



ENGINEERING BOREHOLE LOG

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

WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE **PROJECT** Abutment A, Centreline COORDINATES 718726.3 E; 7655031.2 N LOCATION PROJECT No_FG5635_____ SURFACE R.L. _ 10.39m PLUNGE _ _ _ _ DATE STARTED 3/11/10 GRID DATUM MGA94 Zone 55 DRILLER <u>Drillsure Pty Ltd</u> JOB No HEIGHT DATUM _AHD _ BEARING _ _ _ DATE COMPLETED 3/11/10 R.L. RQD INTACT DEFECT ADDITIONAL DATA ()% (m) DEPTH (m) MATERIAL LITHOLOGY AND GRAPHIC SAMPLE DESCRIPTION CASINGER CASINGER CASINGER CASINGER TESTS SAMPL CORE **TEST RESULTS** REC % 20 GRANODIORITE HW: (Cont'd) 25,30/100mm Р SPT - 21 30/50mm 0 LIB 01A GLB LOG A_ENGINEERING BOREHOLE LOGW LITHOLOGY BAKERS FG6635-WALKERSTON BYPASS GPJ <-CDrawngFile>> Datgel CPT Tool giln Add-in 01/08/2011 14:54 30/60mm N>50; No recovery 30/70mm HW S N>50 30/40mm N>50; No recovery (0) Becoming very low strength rock with depth. 19 (0) 9 LOGGED BY REMARKS_ JA



QLD_DMR_LIB_01A_GLB_Log_A_ENGINEERING BOREHOLE_LOGW_LITHOLOGY_BAKERS FG5635-WALKERSTON BYPASS.GPJ_<-DrawingFile>> Datgel CPT Tool ginlt Add-in 01/09/2011 14:54

ENGINEERINGBOREHOLE LOG

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

BOREHOLE No __BH101___

SHEET __4__ of __4__

REFERENCE No __H10896___

PROJECT		WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE														
					<u>ntreline</u> SURFACE R.L10.39m_ PLUNGE									S 718726.3 E; 7655031.2 N		
JOB No HEIGHT DATUM <u>AHD</u> BEARING DATE COMPLETED <u>3/11/10</u> DRILLER <u>Drillsure Pty Ltd</u>														<u>u</u>		
	R.L.	က္ခ	RQD ()%						INTACT DE	EFECT	(0	AD	DITIONAL D	ATA		
DEPTH (m)	-19.61	S S S S S S S S S S S S S S S S S S S	(),0		MATERIAL	λg		RING	STRENGTH SP	(mm)	GRAPHIC LOG		AND		S	
EPT		ASSING REPRESENTATION OF THE PROPERTY OF THE P	CORE	SAMPLE	DESCRIPTION	LITHOLOGY		뷀		008	PH(_			SAMPLES	
30	-19.61	P S S S S S S S S S S S S S S S S S S S	REC %	SAN		Ė	OSI	WE	<u> </u>	2688 	GR/		EST RESUL			
-	-19.76 -19.79/		(61) 100		GRANODIORITE		<u>S\</u>	<u>w</u>			-+) = 6.49MPa = 10.06MPa	X _	
-					SW: Pale grey and speckled black, massive, medium to coarse grained, very				<u> </u>						_	
-					high to extremely high strength.				+						-	
- 31					Borehole terminated at 30.18m										_	
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REMARKS												LC	OGGED BY			
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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



