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## 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** COORDINATES 718774.1 E; 7655042.1 N LOCATION Pier 2, LHS PROJECT No <u>FG5635</u> \_\_\_\_ DATE STARTED 10/10/10 GRID DATUM MGA94 Zone 55 SURFACE R.L. \_\_7.15m\_ PLUNGE \_\_\_\_\_\_ HEIGHT DATUM \_AHD \_ BEARING \_ \_ \_ DATE COMPLETED 10/10/10 JOB No DRILLER Cairns Drilling R.L. RQD INTACT DEFECT CASING (W) CORE DRILING CORE DRILLING ADDITIONAL DATA ()% STRENGTH **SPACING** (m) DEPTH (m) MATERIAL AND GRAPHIC **DESCRIPTION** TESTS WEAT

WEAT

WEAT

VL

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S000

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S000 CORF **TEST RESULTS** nsc REC % 0 Silty CLAY (ALLUVIAL) Black, moist, soft. Based on Driller's logs only High plasticity; tree roots. (CH) 5.95 Sandy Silty CLAY (ALLUVIAL) Brown, moist, firm. 1,2,3 SPT High plasticity. N=5; PP=106kPa (CH) LIB\_01A.GLB Log A\_ENGINEERING BOREHOLE LOGW LITHOLOGY BAKERS FG6635- WALKERSTON BYPASS.GPJ <<p>CDrawingFile>> Datgel CPT Tool gilkt Add-In 01/09/2011 14:55 4.45 Clayey SAND (ALLUVIAL) Pale grey, moist, mainly medium dense to -3 dense. 10.10.14 SPT В N=24 (SC) 10,10,16 С SPT N=26 1.15 -6 **COBBLES & GRAVEL** 14,21,28 D SPT Grey-brown, wet, dense Large rock N=49 fragments (Possible basal alluvial layer?) -0.05 Е SPT **GRANODIORITE** Intrusive, coarse grained, massive, crystalline, acidic igneous rock XW: Generally exhibits the engineering properties of grey, moist, very stiff to mainly hard, clayey sandy silt. 8.13.19 SPT N=32 XW 9.17.23 G SPT N=40 LOGGED BY REMARKS\_ JA



QLD\_DMR\_LIB\_014\_GLB\_Log\_A\_ENGINEERING BOREHOLE\_LOGW LITHOLOGY BAKERS FG5635- WALKERSTON BYPASS.GPJ <<DrawngFile>> Datgel CPT Tool gINt Add-in 01/09/2011 14:55

# **ENGINEERING**BOREHOLE LOG

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

BOREHOLE No \_\_BH107\_\_

SHEET \_\_2\_ of \_\_3\_\_

REFERENCE No \_\_H10859\_\_

PROJECT         WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE           LOCATION         Pier 2, LHS         COORDINATES         718774.1 E; 7655042.1 N           PROJECT No. FG5635         SURFACE R.L.         7.15m         PLUNGE         DATE STARTED         10/10/10         GRID DATUM         MGA94 Zone 55           JOB No         HEIGHT DATUM         AHD         BEARING         DATE COMPLETED         10/10/10         DRILLER         Cairns Drilling								
R.L. (m) HZGER (m) AUGER (MARE DRIING COME DRILLING	RQD ()%	MATERIAL	ОГОСУ		INTACT DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA	SAMPLES
- - -		GRANODIORITE XW: (Cont'd)			#		8,14,16 N=30	SPT :
—11 —11				XW			7,10,14 N=24	SPT -
-12 - - - - - - - - - - - - - - - - - -	ŀ	<					10,16,25 N=41	SPT :
-6.45 -14		GRANODIORITE HW: Grey, moist, very dense, silty gravelly silty sand.					10,16,26 N=42	SPT
— 15 	ľ	1					14,16,27 N=43	SPT
— 16 — 16	1						13,20,26 N=46	SPT -
-17	(	Becoming gravelly clay @ 17.20m.		HW			9,17,20 N=37	SPT -
-18 	(0)	Becoming very low strength rock with depth.					25,30/120mm N>50 Is(50) = 0.02MPa Is(50) = 0.07MPa	SPT :
REMARKS	100 (0) 63 (0)						LOGGED BY 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** COORDINATES 718774.1 E; 7655042.1 N LOCATION Pier 2, LHS PROJECT No\_FG5635 SURFACE R.L. \_\_7.15m\_\_ PLUNGE \_\_\_\_\_\_ DATE STARTED 10/10/10 GRID DATUM MGA94 Zone 55 HEIGHT DATUM <u>AHD</u> BEARING \_\_\_\_ JOB No DATE COMPLETED 10/10/10 DRILLER Cairns Drilling R.L. RQD INTACT DEFECT ADDITIONAL DATA ()% (m) DEPTH (m) MATERIAL LITHOLOGY AND SAMPLE CASING CA **DESCRIPTION** SAMPL TESTS CORE **TEST RESULTS** REC % 20 GRANODIORITE HW: (Cont'd) HW -13.65 11 Is(50) = 0.01MPaGRANODIORITE (0) Is(50) = 0.15MPa0 MW: Pale brown to pale grey, moist, massive, coarse grained, mainly low to medium strength. MW Is(50) = 1.74MPa Is(50) = 0.73MPa Intact yet highly friable rock. 0 <u>-14.</u>75 100 Borehole terminated at 21.9m 9 LOGGED BY REMARKS\_ JA

Project: Walkerston Bypass (Bakers Ck)

Borehole No: BH107
Start Depth: 18.90m
Finish Depth: 21.90 m
Project No: FG5635

H No:



