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# ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>_BH114</u>
SHEET	<u>1</u> of <u>3</u>
REFERENCE No	<u>H10876</u>

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

PRO	JECT	WAL	KERST	<u>ON B</u>	<u>YPASS PROJECT_GEOTE</u>	CHNICAL INVE	<u>stig</u>	<u>ATIO</u>	<u>N - BAKER'</u>	<u>S CREEK</u>	<u>BRII</u>	D <u>GE</u>			
LOC	ATION	<u>Abutr</u>	<u>ment B,</u>	<u>Cent</u>	reline						СО	ORDINATES 7188	15.6 E; 7655033	. <u>8 N</u> _	
PRC	JECT N	lo_F <u>G56</u>	<u>35 _ </u>		SURFACE R.L. <u>10.51</u> m	PLUNGE			DATE S	TARTED	<u>25/10</u>	/10 GRID DATUN	MGA94 Zone	<u> 55 _</u>	
JOB	No				HEIGHT DATUM <u>AHD</u>	BEARING			DATE COM	PLETED	<u>27/10</u>	<u>/10</u> DRILLEF	R <u>Cairns Drillin</u>	<u>g</u> _	
	R.L.		RQD				-		INTACT	DEFECT				<u> </u>	
Ē	(m)	9 <sup>0</sup> Z	()%					0	STRENGTH	SPACING	ğ	ADDITIONA	L DATA		
(m)		R IG DRING DRILLING		ш	MATERIA	۸L	OGΥ	THERING		(mm)	сго	AND	)	ES	
DEP'		AUGER CASING VASH E CORE D	CORE	MPLE	DESCRIPT	ION	HOLO	C ATH		0000	APH	TEST RES	STILL TS		STS
	10.5	-₽≤≨SI	DEC %	∦			1 5	1915	m>±∑¬>m	ห้อักอัก	ЦЖ.	TEOTINEC	0210		ES

b 10.5	ע קווטב	CASIN	CORE	CC RE	ORE EC %	SAMPI	DESCRIPTION	LITHOI	USC WEAT	┇┙┙	2000	GRAPI	TEST RESULTS	SAMPI
							Silty CLAY (ALLUVIAL) Pale to dark brown, moist, stiff to very stiff. Medium to high plasticity; minor fine sand and subrounded gravel <10mm.							
5.3						A			(CI)				4,5,7 N=12	s
						В							5,7,11 N=18	s
5.3	1					С	Sandy CLAY (ALLUVIAL) Pale grey to mottled orange, moist, very						5,9,12 N=21	s
						D	Fine to medium grained sand.		(CH)				5,10,14 N=24	s
3.0	1					Ē	GRANODIORITE Intrusive, medium to coarse grained, massive, crystalline, acidic igneous rock HW: Pale brown, moist, very dense,						30/60mm N>50	s
						Ē	gravelly silty sand. Angular gravel fragments <30mm.		HW				30/60mm N>50	s
0 REMAR	 кs											 	LOGGED BY JLO/ JA/ ME	



PROJECT

REMARKS \_\_\_

# ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>_BH114</u>
SHEET	_2_ of _3_
REFERENCE No	<u>H10876</u>

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LOGGED BY

JLO/ JA/ ME

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

WALKERSTON BYPASS PROJECT GEOTECHNICAL INVESTIGATION - BAKER'S CREEK BRIDGE

LOC	ATION	<u>Abut</u>	ment B,	Cen	<u>ntreline</u>				COORI	DINATES 718815.6 E; 7655033	.8 <u>N</u>
PRO	JECT N	o <u>FG5</u>	<u>635</u>		SURFACE R.L. <u>10.51m</u> PLUNGE			DATE STARTED	25/10/10	GRID DATUM MGA94 Zone	<u>    55                               </u>
JOB	No				HEIGHT DATUM <u>AHD</u> BEARING _			DATE COMPLETED	27/10/10	DRILLER <u>Cairns</u> Drilling	<u>g</u>
1 DEPTH (m)	R.L. (m) 0.51	AUGER CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE		ГІТНОГОБҮ		INTACT STRENGTH DEFECT SPACING (mm) 표풍고로그렇며 응용응응응	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES
- - - - - - - - - - - - - - -	0.01	-		G	HW: (Cont'd) GRANODIORITE XW: Generally exhibits engineering properties of pale brown, moist, hard, gravelly sandy silt. Minor rounded gravel <20mm.	_	HW			9,14,21 N=35	SPT
n				н						7,12,18 N=30	SPT
wingFile>> Datgel CPT Tool gINLA				J						8,16,22 N=38	SPT
OLD DMR, LIB, 01A GLB, Log, A_ENGINEERING BOREHOLE LOG W LITHOLOGY BAKERS FG6835, WALKERSTON BYPASS, GPJ, <				к			xw			8,12,18 N=30	SPT
W LITHOLOGY BAKERS FG5635-V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				L						8,14,19 N=33	SPT
A_ENGINEERING BOREHOLE LOG				М						12,29,30/110mm N>50	SPT
010_DMR_LIB_01A.GLB_L09	-9.00	-		<u>N</u>	GRANODIORITE HW: (See over)		HW			— — — — — — — — <del>30/80mm</del> - N>50	SPT



# ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>_BH114</u>
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FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

ROJECT N	o_F <u>G</u> 5	 	SURFACE R.L. <u>10.51m</u> PLUNGE				_	25/10/1		
OB No		 	HEIGHT DATUM <u>AHD</u> BEARING .			DATE COM	PLETED _	27/10/10	0 DRILLER <u>Cairns Drillin</u>	<u>g</u>
(m) (m) 20 -9.50	AUGER CASING WASH BORING CORE DRILLING	SAMPLE	MATERIAL DESCRIPTION	ПТНОГОСУ	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES
· 21 · 22 · 22		P	GRANODIORITE HW: (Cont'd) Pale brown to brown, moist, very dense. In parts exhibits engineering properties of very loose clayey sand or clayey sandy gravel. Gradually grading into very low to low strenght rock with depth.		HW				30/100mm N>50 30/100mm N>50	

-13.71	(7	79) Q	GRANODIORITE MW: Pale yellow-brown to pale brown,	MW	XXX - cz	30/50mm N>50 
		00	medium to coarse grained, mainly medium strength with some very high strength bands, with some HW bands.			
		00	Crushed zones throughout, possibly drilling-induced.	нw	- CZ	
	(4	43)				ls(50) = 7.99MPa ls(50) = 4.62MPa
-16.45		00	GRANODIORITE SW: Pale grey, speckled black and pink, medium to coarse grained, massive, very high strength.	MW		Is(50) = 0.00MPa - — — — <del>Is(50) = 0.03MPa</del> -
			Defects: Very rare. - Joints @ 10° (<1/m)	sw		UCS = 108 MPa
-18.00	1	00	Defects are generally planar, slightly rough, open and clean.			ls(50) = 7.06MPa ls(50) = 4.35MPa
			Borehole terminated at 28.5m			

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

Borehole No: BH114

Start Depth: Finish Depth: Project No: H No: **BH114** 24.05 m 28.50 m FG5635



