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## ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u>BH6</u>
SHEET	_1_ of _2_
REFERENCE No	11236

ROL   PROJECT	ROJECT DCATION				IGNAGES FOUNDATION INVESTIGATION ( £41 S/B					DORDINATES <u>522445.2 E; 6932204.2</u>	 2 N
RAD	ROJECT N										
MATERIAL   DESCRIPTION   Silvant   DESCRIPTION   Silvant   DESCRIPTION	OB No				HEIGHT DATUM <u>AHD</u> BEARING			DATE COMPLETED	25/10	D/11 DRILLER <u>Terratest Drilli</u>	ng Pty
Sity Sandy CLAY (ENGINEERED FILL) Dark brown, moist.  Corganic material throughout.  Grevelly Sity CLAY (ENGINEERED FILL) A Yellow orange to dark brown, moist, mainly very stiff to hard.  Medium plasticity.  B  C  Becoming more gravelly and high content D of rock fragments with depth.  E  Rock fragments with depth.  (Ci)  15.25.23 SF  G  Severe water loss @ 7.8m. H  Severe water loss @ 7.8m	R.L. (m)	AUGER SASING WASH BORING	()%	SAMPLE		тногову	JSC WEATHERING		SRAPHIC LOG	AND	SAMPLES
Cravelly Sity CLAY (Estinates)  Gravelly Sity CLAY (Estinates)  Coravelly Sity CLAY (Estinates)  Severe water loss @ 7.8m.  Coravelly Sity CLAY (Estinates)  Sity Clay (Estinates)  Sity Clay (Estinates)  Severe water loss (2.7.8m.  Coravelly Sity Clay (Estinates)  Severe water loss (2.7.8m.  Severe water	9.95		IXEO 76	0,	Silty Sandy CLAY (ENGINEERED FILL)	_	2/2	<del></del>	+	— Based on Driller's logs only	0, 1
Gravelly Sity CLAY (ENDINEERED FILL) A Yellow cange to dark brown, moist, mainly very stiff to hard.  Medium plasticity.  B Becoming more gravelly and high content of rock fragments with depth.  C Becoming more gravelly and high content of rock fragments with depth.  E Rock fragments with depth.  C C C C C C C C C C C C C C C C C C	8 05							± : : : : : : : : : : : : : : : : : : :			
B   8,10,14   SF	8.93			Α	Yellow orange to dark brown, moist, mainly very stiff to hard.	-			† <del></del> -		SPT
Becoming more gravelly and high content of rock fragments with depth.  E Rock fragments sizing up to 50mm increasing with depth.  F Rock fragments sizing up to 50mm  15,30/100mm  S F  6,9,15  N=24  SF  G Severe water loss @ 7.8m.  H Rock fragments sizing up to 50mm  N>50  SF  1 Sitty CLAY (ESTUARINE)  I Dark grey to black, moist, very soft to soft.  High plasticity; high organic content.  HW N-1  SF				В	Medium plasticity.						SPT
B Rock fragments with depth.  E Rock fragments sizing up to 50mm increasing with depth.  F Severe water loss @ 7.8m.  H Severe water loss @ 7.8m.  Severe water loss @ 7.8m.  J Sility CLAY (ESTUARINE) Dark grey to black, moist, very soft to soft.  High plasticity; high organic content.  J High plasticity; high organic content.  (CI)  15,30/100mm N>50  SP  15,30/100mm N>50  SP  15,15,15  N=10; No recovery SP  N=5; No recovery SP  HW N=10  HW N=10  SP  SP  HW N=10  HW N=10  SP  SP  SP  SP  SP  SP  SP  SP  SP  S				С				± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±		8,10,8 N=18	SPT
G Severe water loss @ 7.8m.  H Sitty CLAY (ESTUARINE) Dark grey to black, moist, very soft to soft.  High plasticity; high organic content.  Severe water loss of the soft of				D	Becoming more gravelly and high content of rock fragments with depth.			±			SPT
Severe water loss @ 7.8m.  H  Severe water loss @ 7.8m.  N=10; No recovery  SF  J  High plasticity; high organic content.  (CH)  N=24  3.34  SF  N=10; No recovery  N=5; No recovery  SF				Е	Rock fragments sizing up to 50mm increasing with depth.		(CI)				SPT
Severe water loss @ 7.8m.  H  Severe water loss @ 7.8m.    1   Silty CLAY (ESTUARINE)   Dark grey to black, moist, very soft to soft.    2   High plasticity; high organic content.   CCH)   HW N<1   SP				F				<u>+</u>		6,9,15 N=24	SPT
O.95    H   Silty CLAY (ESTUARINE)   Dark grey to black, moist, very soft to soft.   High plasticity; high organic content.   HW   N<1   SP				G							SPT
Silty CLAY (ESTUARINE) Dark grey to black, moist, very soft to soft.  High plasticity; high organic content.    CH   HW   N<1   SP				Н	Severe water loss @ 7.8m.					7,5,5 N=10; No recovery	SPT
-0.05 J J SP	0.95			1	Dark grey to black, moist, very soft to soft.		(CH)	-	<u> </u>	N=5; No recovery	SPT
	0 -0.05			J							SPT
······································			"N" value	es ma	y have been overestimated due to presence of large	froc	k frag	ments	1	LOGGED BY	



QLD\_DMR\_LIB\_01A.GLB\_Log\_A\_ENGINEERING BOREHOLE LOG W LITHOLOGY FG5798 TRAVEL TIME SIGNAGE STH COAST RGN. GPJ <<DrawningFile>> Datgel CPT Tool gINt Add-in 2501/2012 17:21

## **ENGINEERING**BOREHOLE LOG

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

BOREHOLE No \_\_\_\_\_BH6\_\_\_\_

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

REFERENCE No \_\_\_\_11236\_\_\_\_

PRO	JECT	TRA	VEL TIM	<u>1E S</u>	<u>IGNAGES FOUNDATION INVESTIGATION (</u>	<u>SO</u>	<u>UT</u>	10	COAST REGION) - S	STAC	<u>E3_</u>			
LOC	ATION	N <u>Yatala South Exit 41 S/B</u> COORDINATES <u>522445.2 E; 6932204.2 N</u>											<u> </u>	
PRO	JECT No	_F <u>G</u> 5	<u> 798</u>		SURFACE R.L. <u>9.95m</u> PLUNGE				DATE STARTED	<u>25/1</u>	<u>0/11</u>	GRID DATUM	MGA94	
JOB No					_ HEIGHT DATUM <u>AHD</u> BEARING _				DATE COMPLETED	25/1	<u>0/11</u>	DRILLER	Terratest Drilli	ing Pty Lto
DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	nsc	WEATHERING	INTACT DEFECT SPACING (mm)  UNITED STRENGTH SPACING (mm)  UNITED STRENGTH SPACING (mm)	GRAPHIC LOG		ADDITIONAL D AND TEST RESUL		SAMPLES TESTS
- - - - - - - -11					Silty CLAY (ESTUARINE) (Cont'd):		(CI	⊣)	+				ШW	U50 -
	-1.50			K									HW N<1	SPT -
12 13 13 14 15 15 16 17					Borehole terminated at 11.45m									1
	REMARK	 S <u>SPT</u> '	" <u>N" value</u>	s ma	y have been overestimated due to presence of large	froc	ck fr	agı	ments			L	OGGED BY	
								_			_		LD/ AD	