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CLIENT TMR
PROJECT BHAP Cattle and Frances Creeks Upgrade Project Ground Investigation

LOGGED BY Robyn Shaw
CHECKED BY Nathan Roberts
DRILLED DATE 29-Aug-13

CONTRACTOR Cairns Drilling Pty Ltd
DRILL MODEL MST 1500
DRILLER Mick Bacon (Cairns Drilling)

ANGLE
BEARING -
HOLE DIAMETER ()

GROUND LEVEL LOCATION 409713 E 7928630 N
ELEVATION DATUM Australian Height Datum
COORDINATE SYSTEM Map Grid of Australia (MGA 1994)

DRILLING		STRATA		MATERIAL DESCRIPTION		CONDITION		OBSERVATION							
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER/MOISTURE	CONSISTENCY		SOIL ORIGIN, STRUCTURE, ETC.						
	mAHD	m					COHESIVE	NON COHESIVE							
							VS	SL	ST	VST	H	VL	LD	VD	
B		0.15	SW		PAVEMENT/BASE COURSE. Gravelly Clayey SAND (SW) fine to coarse grained, orange brown, gravel is fine grained, subrounded, dry to moist.	D-M									FILL
SPTLS	N=8 1;3,5	1	CI		Gravelly CLAY (CI) intermediate to high plasticity, black, gravel is fine grained, subrounded moist.	M									FILL
U		1.10	CH		CLAY trace Sand (CH) high plasticity, grey mottled black, becoming grey mottled orange brown, sand is fine grained, moist.	M									ALV
				 1.50m As above, grey mottled orange-brown										
SPTLS	N=8 3;4,4	2.55	SP		SAND trace Clay and Gravel (SP) medium to coarse grained, brown, gravel is fine grained, quartz rich, moist.	M									ALV
				 3.50m SAND, as above, mainly quartz										
SPTLS	N=6 1;2,4	4		 4.00m SAND with Clay, medium to coarse grained, grey										
B		5.00	GP		GRAVEL with Sand (GP) fine to medium grained, rounded to subangular grey, brown and white, sand is coarse grained quartz, angular, moist.										ALV
SPTLS	N=69** 30/130s	5.40	CH		CLAY trace Sand (CH) high plasticity, grey, sand is fine grained, moist.	M									ALV
B		6		 6.00m CLAY as above, with Gravel, medium grained, elongate and angular, slow drilling (very hard), with chippings from indurated bands										
B		6.50		 6.50m Becomes grey mottled orange, driller notes easier drilling	M									
SPTLS	N=29 12;10,19	7		 7.00m CLAY as above, with single clast of gravel, coarse grained, D=35mm	M									
		7.30	SP		SAND with Clay trace Gravel (SP) fine grained, quartz, subangular, grey and orange, gravel is fine grained quartz Dmax 3mm, moist.	M									ALV
				 8.50m SAND as above, orange stained horizontal bands ~3mm thick at ~50mm intervals										
		9													

NOTES

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231518-07

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CLIENT	TMR	LOGGED BY	Robyn Shaw
PROJECT	BHAP Cattle and Frances Creeks Upgrade Project Ground Investigation	CHECKED BY	Nathan Roberts
CONTRACTOR	Cairns Drilling Pty Ltd	DRILLED DATE	29-Aug-13
DRILL MODEL	MST 1500	ANGLE	
DRILLER	Mick Bacon (Cairns Drilling)	BEARING	-
		HOLE DIAMETER	()
		GROUND LEVEL	
		LOCATION	409713 E 7928630 N
		ELEVATION DATUM	Australian Height Datum
		COORDINATE SYSTEM	Map Grid of Australia (MGA 1994)

DRILLING	STRATA		GROUP SYMBOL	LEGEND	MATERIAL DESCRIPTION	WATER/MOISTURE	CONDITION						OBSERVATION	
	R.L.	DEPTH					CONSISTENCY			SOIL ORIGIN, STRUCTURE, ETC.				
SAMPLE, TEST, BIT, SUPPORT, ETC.	mAHD	m			SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	VS	SL	ST	VST	H	VL	LD	VD	
SPTLS N=22 7,8,14		21	SP		SAND with Clay trace Gravel (SP) medium to coarse grained, grey, gravel is fine to coarse grained, moist. (continued)									ALV
SPTLS N=67* 18,30/135		2222.00 22.29	CI		Sandy CLAY (CI) intermediate to high plasticity, grey stained orange-red, sand is medium grained, moist. ... 22.00m thin ~1-2mm bands of cemented quartz veins running ~subvertically Borehole completed at 22.285m depth	M								ALV
		23												
		24												
		25												
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 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15 Jun 11 checked ABACPF Feb 2006)
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