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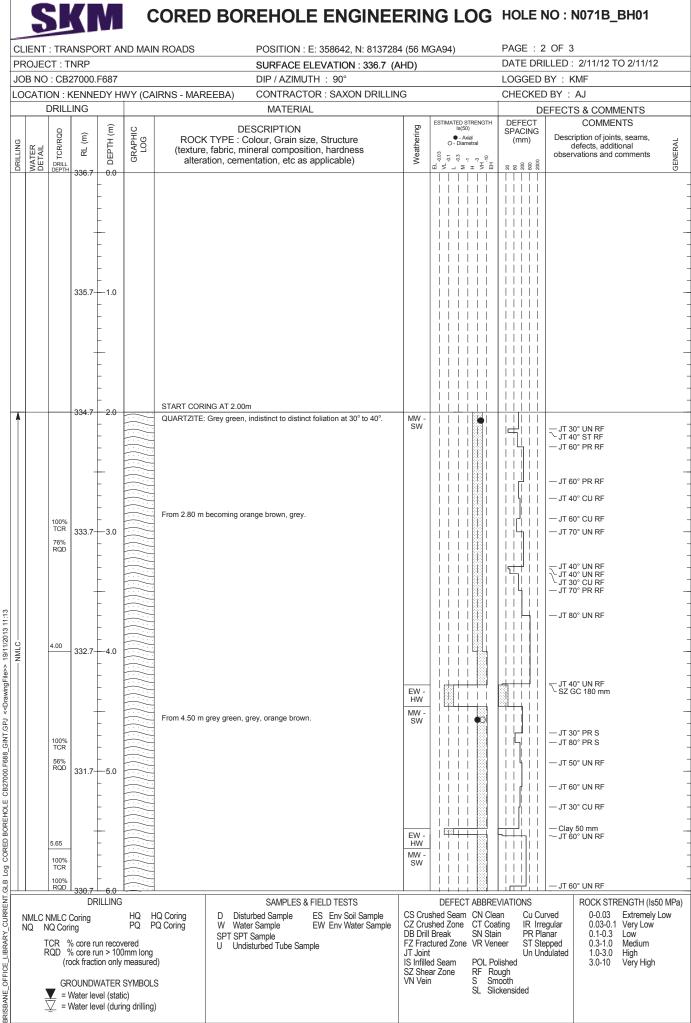
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S	SKM BOREHOLE ENGINEERING LOG						HOLE NO : N071B_BH01												
CLIENT : TRANSPORT AND MAIN ROADS POSITION : E: 358642, N: 8137284 (56 MGA94)) PAGE : 1 OF 3											
							SURFACE ELEVATION : 336.7 (AHD)						DATE DRILLED : 11/2/12 TO 11/2/12						
JOB NO : CB27000.F687 LOCATION : KENNEDY HWY (CAIRNS -								DIP / AZIMUTH : 90°			LOGGED BY : KMF CHECKED BY : AJ								
LUCATIC			LING	(CAIR	INS - IN		BA)	Ν	/ATERIAL				JBT. AJ						
& CASING & CASING WATER	G BATION	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	〔 도 고 336.7-	0.0 DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Cha Secondary and Minor Component	aracteristic	MOISTURE CONDITION	CONSISTENCY	FILL	STRUCTURE & Other Observations						
AD/V	н			-	- - - -		GP	0.08m ASPHALT: (0.08 m). SANDY GRAVEL (GP): Grey, fine to medi angular, fine to coarse grained sand, with 0.70m											
X			1.00m SPT 1/5mm HB	- 335.7-			CI- CH	SANDY CLAY (CI-CH): Red brown, mediu plasticity, medium to coarse grained sand 1.00m QUARTZITE: Red brown, grey brown, extr	remely	D	VSt - H	RESIDUA	L SOIL						
F 8M		1/5mm HB N=R 1.01m	-	- - - - - -			weathered, extremely low strength, appea CLAYEY GRAVEL (GC), fine to coarse gr angular.			VD									
*				334.7-	-2.0		-	2.00m Continued as Cored Drill Hole											
		NOT OBSERVED		333.7-	- - - - - - - - - - - - - - - - - - -														
				332.7-	- - - - - - - - - - - -														
				331.7-	- - - - - - - -														
					F														
AS Auger Screw AT Air Track AD/T Auger Drill TC-bit HQ HQ Coring AD/V Auger Drill V-bit NQ NQ Coring WB Washbore NMLC NMLC Coring DRILLING PENETRATION VE Very Easy F Firm VH Very Hard E Easy H Hard GROUNDWATER SYMBOLS						DS Disturbed Sample SPT Standard Penetration Test ES Env Soil Sample U Undisturbed Tube Sample L EW Env Water Sample W Water Sample					4 nse 10 30 50	- 4 - 10	CONSISTENCY (Su) {N-value} VS Very Soft < 12 kPa						

File: CB27000.F687 N071B_BH01 Page 1 OF 3



File: CB27000.F687 N071B_BH01 2 OF 3

			DRT A	ND MAII	N ROADS		POSITION : E: 3586		PAGE : 3 OF 3 DATE DRILLED : 2/11/12 TO 2/11/12													
PROJECT : TNRP JOB NO : CB27000.F687							SURFACE ELEVATION : 336.7 (AHD) DIP / AZIMUTH : 90°							LOGGED BY : KMF								
LOCATION : KENNEDY HWY (CAIRNS - MAREEBA)							CONTRACTOR : SAXON DRILLING						CHECKED BY : AJ									
	DRILI			,		,	MATERIAL							DEFECTS & COMMENTS								
	0		Ê	U		D	ESCRIPTION		ESTIMATED STRENGT			INGTH	DEF	ECT CING		COMMENTS						
	TCR/RQD	E .	DEPTH (m)	GRAPHIC LOG		TYPE : C	Colour, Grain size, Struction ineral composition, har		Weathering	0	 Axial Diametra 	al	(m			ription of join defects, addi	tional					
WATER		R	DEP	GR	altera	ation, cem	entation, etc as applical	oless ole)	Wea	EL -0.03 - VL	6 t- 6	"_ ^ę _		8	obsei	vations and	comments					
	DRILL DEPTH	330.7	6.0		OUARTZITE	Grev green	indistinct to distinct foliation	at 30° to 40°	MW -			5	88		∽JT 3	0° UN RF		0				
			L		(continued)	orey green			SW		11											
	100% TCR		F												— JT 3	0° UN RF						
	100% RQD		F							l i i	i i											
,	6.65	-	_																			
			-	· · · · ·	End of Boreh	ole																
			F																			
		329.7-	-7.0																			
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		327.7-	-9.0																			
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-	_	1 <u>324.7</u> DF	<u>└──12.0</u> RILLING				SAMPLES & FIELD TE	STS	_	DEF	ECT A	BBRE\	/IATIC	NS		ROCK STR	RENGTH (Is50) M				
NMLC	NMLC			HQ H	IQ Coring		urbed Sample ES Env	CS Crus	eam C	N Clea	in	Cu Cu		0-0.03	Extremely L							
	NQ Cor				Q Coring	W Wat SPT SPT	er Sample EW Env	CZ Crus DB Drill	N Stair	ating IR Irregular			0.03-0.1 Very Low 0.1-0.3 Low									
		% core r % core r		/ered)mm long		U Und	isturbed Tube Sample	Sample turbed Tube Sample				'R Vene	eer	ST St		0.3-1.0 1.0-3.0	Medium High					
				measure	d)				JT Joint IS Infille	n <u>P</u>	OL Pol	ished	UIUI	JUUIALEU	3.0-10	Very High						
	GF	NUNN	NATER	SYMBOL	s				SZ Shea VN Veir		S		ooth									
	_ = '	Water le	vel (stat	ic)							S		kensid	ed								
				ng drilling				1														

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