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# BOREHOLE ENGINEERING LOG

HOLE NO : GE057M\_BH03

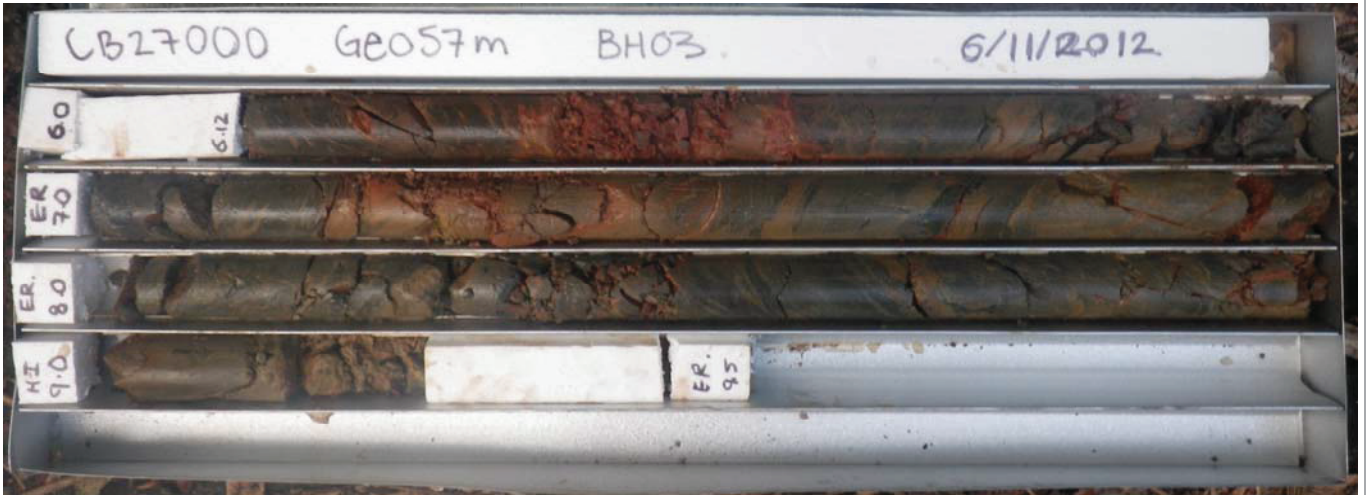
CLIENT : TRANSPORT AND MAIN ROADS	POSITION : E: 358893, N: 8136930 (56 MGA94)	PAGE : 2 OF 3
PROJECT : TNRP	SURFACE ELEVATION : 303.1 (AHD)	DATE DRILLED : 6/11/12 TO 6/11/12
JOB NO : CB27000.F687	DIP / AZIMUTH : 90°	LOGGED BY : KMF
LOCATION : KENNEDY HWY (CAIRNS - MAREEBA)		CHECKED BY : AJ


DRILLING					MATERIAL							
DRILLING & CASING	WATER	DRILLING PENETRATION	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	RL (m)	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY	STRUCTURE & Other Observations
WB					297.1	6.0		CH	6.12m			RESIDUAL SOIL
									Continued as Cored Drill Hole			
					296.1	7.0						
					295.1	8.0						
					294.1	9.0						
					293.1	10.0						
					292.1	11.0						
					291.1	12.0						

<p><b>DRILLING</b></p> <p>HA Hand Auger AS Auger Screw AD/T Auger Drill TC-bit AD/V Auger Drill V-bit WB Washbore</p> <p>RR Rock Rolling AT Air Track HQ HQ Coring NQ NQ Coring NMLC NMLC Coring</p> <p><b>DRILLING PENETRATION</b></p> <p>VE Very Easy E Easy</p> <p>F Firm H Hard</p> <p>VH Very Hard</p> <p><b>GROUNDWATER SYMBOLS</b></p> <p>▼ = Water level (static) ▽ = Water level (during drilling)</p>	<p><b>SAMPLES &amp; FIELD TESTS</b></p> <p>DS Disturbed Sample ES Env Soil Sample EW Env Water Sample</p> <p>SPT Standard Penetration Test U Undisturbed Tube Sample W Water Sample</p> <p>HP Hand Penetrometer HV Hand Vane Shear (P: Peak Su R: Residual Su) N SPT blows per 300mm HW SPT penetration by hammer weight RW SPT penetration by rod weight</p> <p><b>MOISTURE CONDITION</b></p> <p>D = Dry M = Moist W = Wet</p>	<p><b>DENSITY (SPT N-value)</b></p> <p>VL Very Loose 0 - 4 L Loose 4 - 10 MD Medium Dense 10 - 30 D Dense 30 - 50 VD Very Dense 50 - 100 CO Compact &gt;50/150mm</p>	<p><b>CONSISTENCY (Su) {N-value}</b></p> <p>VS Very Soft &lt; 12 kPa {0-2} S Soft 12 - 25 {2-4} F Firm 25 - 50 {4-8} St Stiff 50 - 100 {8-15} VSt Very Stiff 100 - 200 {15-30} H Hard &gt; 200 kPa {&gt;30}</p>
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		Client: Transport and Main Roads	
		Project: Transport Network Reconstruction Program	
drawn	KMF	Core Photograph – GE057M_BH03	
date	8/11/2012	Project no. CB27000	
scale	NTS	Photo No: GE057M_BH03 1 of 1	