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Project: j:\22200\0022267-00 gateway north traffic management initiative\design\geotechnics\gint\gateway north\_15-12-11.gpi  
Library: g:\int 220 geotech\7.0 software\gim2 library and template bris.p01 2011\bris library\_p02.gb  
Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15Jun11 checked AB/ACP Feb 2006)  
gINT output page 1 of 2. Made by RAS 2Feb12 11:01

ARUP		BOREHOLE RECORD					HOLE		SHEET 1										
CLIENT		TMR					BH104		OF 2										
PROJECT		Gateway North Traffic Management System					LOGGED BY		CAW										
CONTRACTOR		Drillsure					CHECKED BY		RAS										
DRILL MODEL		Hydropower Scout					DRILLED DATE		08-Dec-11										
DRILLER		Matt & Nick					GROUND LEVEL		RL 3.40m										
ANGLE		Vertical					LOCATION		508114 E 6974165 N										
BEARING		-					ELEVATION DATUM		Australian Height Datum										
HOLE DIAMETER		76mm ( )					COORDINATE SYSTEM		Map Grid of Australia MGA 94										
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	IL	VL	LD	MD	VD				
BULK	3.35	0.05	CL/CI		Bitumen.	D												FILL	
					Hard Road Base.														FILL
	2.80	0.60			Sandy Road Base.														FILL
SPTLS	2.40	1.00	GP		Silty CLAY (CL/CI) low to medium plasticity, brown, occasional gravel with sand, fine grained.	D-M											ALV		
	N=16 3;5,11	1.60			1.80													GRAVEL (GP) coarse grained, angular, grey brown. .... 1.80m becoming dark grey mottled orange, gravel layer, coarse, grey	M
SPTLS	0.40	3.00	SC		Clayey SAND (SC).	W											ALV		
	N=1** 1/450s	-0.05			3.45													GRAVEL (GP) medium to coarse grained, red brown, with shells, cream coloured molluscs, occasional sand, coarse grained.	W
SPTLS			GP																
	N=4 2;2,2																		
SPTLS			GP																
	N=8 4;3,5	-2.60			6.00													CLAY (CL/CI) low to medium plasticity, dark grey mottled orange.	M
SPTLS			GP																
	PP=1.5-2.25kPa																		
SPTLS			GP																
	PP=3kPa																		
SPTLS			GP																
	N=15 4;6,9																	.... 7.50m becoming stiffer	M
U50			GP																
	PP=2.5kPa																		
NOTES																		JOB	
Start drilling at ~9.15pm. Auger to 2.5m, cased off. Washbore from 2.5m. Loss of circulation fluid at 4.5m -> case to 6m																		222267	

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Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15Jun11 checked AB/ACP Feb 2006)  
gINT output page 2 of 2. Made by RAS 2Feb12 11:01

ARUP		BOREHOLE RECORD					HOLE BH104		SHEET 2 OF 2						
CLIENT TMR		PROJECT Gateway North Traffic Management System					LOGGED BY CHECKED BY DRILLED DATE		CAW RAS 08-Dec-11						
CONTRACTOR Drillsure DRILL MODEL Hydropower Scout DRILLER Matt & Nick							ANGLE BEARING HOLE DIAMETER		Vertical - 76mm ()		GROUND LEVEL RL 3.40m LOCATION 508114 E 6974165 N ELEVATION DATUM Australian Height Datum COORDINATE SYSTEM Map Grid of Australia MGA 94				
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	HS	VL	MD	VD	
SPTLS N=17 5,6,11			11	CL/CI	CLAY (CL/CI) low to medium plasticity, dark grey mottled orange. (continued)		M								ALV
					.... 10.50m top of U50 sample is sandy, sand is medium to coarse grained, grey										
U50		-8.60	12.00	CI	Sandy CLAY (CI) grey and orange mottled.		M								ALV
PP=2.5kPa			13												
SPTLS N=14 6,6,8			14.00	CI	CLAY (CI) with some orange concretions, possibly residual or highly weathered rock.										RES SOIL
SPTLS N=22 7,10,12			15		.... 15.00m no mottling, grey, some yellow/orange concretions		M								
		-12.60	16.00	CI SC	Sandy CLAY/Clayey SAND (CI-SC) medium to coarse grained, grey.										RES SOIL
SPTLS N=53 11,23,30			16.60	GP	SAND (GP) medium to coarse grained, grey.		M								RES SOIL
		-13.55	16.95		Borehole completed at 16.95m depth										
			17												
			18												
			19												
NOTES										JOB					
Start drilling at ~9.15pm. Auger to 2.5m, cased off. Washbore from 2.5m. Loss of circulation fluid at 4.5m -> case to 6m										222267					