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BOREHOLE RECORD

HOLE
BH104

SHEET 1
OF 4

PROJECT	Millennium Library			LOGGED BY	GR
CONTRACTOR	S P & K F Christensen	ANGLE	Vertical	DATE/S	30.8.02
DRILL MODEL	JACRO 350	BEARING		GROUND LEVEL	-RL 5.1m
MOUNTING	4WD Truck	DIAMETER		LOCATION	Refer Figure 2

DRILLING	STRATA				MATERIAL DESCRIPTION SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER / MOISTURE	CONSISTENCY										OBSERVATION SOIL ORIGIN, STRUCTURE, ETC.
	R.L.	DEPTH	GROUP SYMBOL	LEGEND			COHESIVE					NON COHESIVE					
							VS	OL	SL	VST	IL	VL	LM	DM	CS		
Test Results	AHD	m															
AUGER	4.70	0.40	CH		Sandy CLAY: Dark brown, low plasticity.	D-M										FILL	
					CLAY with silt and sand: Light brown, mottled orange, medium plasticity.											FILL/ALLUVIAL?	
SPT @ 1.5m 1/2/2 N = 4						M											
	2.90	2.20	SC		Clayey SAND/SAND: Light Brown, mottled orange with interbedded layers of grey, medium plasticity. Interbedded layers of coarse grey sand.											ALLUVIAL	
SPT @ 3.0m 2/2/3 N = 5						M											
SPT @ 4.5m 3/4/5 N = 9 WASHBORE (BLADE BIT)						M											
SPT @ 6.0m 3/5/5 N = 10						M											
	-1.90	7.00	SP		SAND with clay: Orangi brown with some yellow and white grains, medium grained.											ALLUVIAL	
SPT @ 7.5m 5/7/7 N = 14						M											

NOTES	JOB
- Standing water table was not observed:	82220

BOREHOLE/TEST PIT: MILLIBRARY.GPJ ARUP_AUS.GDT 30/10/02

PROJECT	Millennium Library		LOGGED BY	GR
CONTRACTOR	S P & K F Christensen	ANGLE	Vertical	
DRILL MODEL	JACRO 350	BEARING	-	
MOUNTING	4WD Truck	DIAMETER	-	
			GROUND LEVEL	-RL 5.1m
			LOCATION	Refer Figure 2

DRILLING	STRATA			MATERIAL DESCRIPTION	CONDITION										OBSERVATION
	R.L.	DEPTH	GROUP SYMBOL		LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER / MOISTURE	CONSISTENCY					SOIL ORIGIN, STRUCTURE, ETC.		
								COHESIVE						NON COHESIVE	
Test Results	AHD	m				VS	SL	ST	VST	HL	VL	LD	VD		
SPT @ 9.0m 3/5/6 N = 11	-3.70	8.80	SP		SAND with clay: Orangi brown with some yellow and white grains, medium grained.									ALLUVIAL	
		9	CH		CLAY: Brown, mottled grey and orange, medium to high plasticity with interbedded layers of sand.	M								ALLUVIAL	
SPT @ 12.0m 5/9/11 N = 20	-6.40	11.50	SC		Clayey SAND: Brown/orange, mottled yellow, medium plasticity, medium grained. Less sand with depth.									ALLUVIAL	
		12				M									
SPT @ 15.0m 1/7/13 N = 20	-9.90	15.00	SP		SAND with some clay: Brown/orange, mottled yellow, low plasticity, medium grained.									ALLUVIAL	
		13				M									

NOTES	JOB
- Standing water table was not observed.	82220

BOREHOLE/TEST PIT MILLIBRARY.GPJ ARUP.AUS.GDT 31/10/02

BOREHOLE RECORD

HOLE

BH104

SHEET 3

OF 4

PROJECT Millennium Library

LOGGED BY GR
DATE/S 30.8.02

CONTRACTOR S P & K F Christensen
DRILL MODEL JACRO 350
MOUNTING 4WD Truck

ANGLE Vertical
BEARING -
DIAMETER

GROUND LEVEL ~RL 5.1m
LOCATION Refer Figure 2

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION								OBSERVATION			
Test Results	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER / MOISTURE	CONSISTENCY								SOIL ORIGIN, STRUCTURE, ETC.		
	AHD	m					COHESIVE				NON COHESIVE						
						VS	S	U	ST	VST	H	VL	L	MD	D	VD	
		17	SP		SAND with some clay: Brown/orange, mottled yellow, low plasticity, medium grained.												ALLUVIAL
SPT @ 18.0m 7 / 11 / 11 N = 22 (ROLLER BIT)		18				M											
		19															
		20															
		21				M											
SPT @ 21.0m 4 / 7 / 13 N = 20		22															
	-17.10	22.20	GW		Sandy GRAVEL with clay: Orange, brown and grey gravel, orange/brown sand, well graded gravel, well graded sand.												ALLUVIAL
		23															
	-18.20	23.30			PHYLLITE: Extremely weathered to decomposed seams/residual soil, low strength, pale yellow/grey.												XW ROCK
		23.80			REFUSAL: Maximum roller bit refusal on weathered rock.												
SPT @ 23.8m 30/50mm	-18.70	23.80				M											

NOTES

- Standing water table was not observed.

JOB

82220

PROJECT	Millennium Library	LOGGED BY	GR
CONTRACTOR	S P & K F Christensen	DATE/S	30.8.02
DRILL MODEL	JACRO 350	ANGLE	Vertical
MOUNTING	4WD Truck	BEARING	
		DIAMETER	
		GROUND LEVEL	~RL 5.1m
		LOCATION	Refer Figure 2

DRILLING		STRATA		MATERIAL DESCRIPTION				DISCONTINUITIES				
CASING RUN, REC. (%)	WATER	SAMPLE TEST	R.L.	DEPTH	LEGEND	ROCK TYPE Colour, Grain Size, Structure, Minor Components	WEATHERING	ESTIMATED ROCK STRENGTH	FREQUENCY (per m)	SPECIFIC		GENERAL DESCRIPTION
			AHD	m						TYPE	ANGLE	
93%			-19.40	24.50		PHYLLITE: Grey, with seams of dark grey, brown and orange (iron staining). Several fractures containing clay (decomposed seams/residual soil). Generally horizontally bedded.	DW					
			-19.50	24.60		CORE LOSS	DW					
100%				25		PHYLLITE: Grey, with seams of dark grey, brown, orange (iron staining) and grey/blue. Few Fractures containing clay (decomposed seams/residual soil). Generally bedded at 45 degrees.						
				26								
			-21.75	26.85		END BOREHOLE						
				27								
				28								
				29								
				30								
				31								

NOTES	TYPE OF DISCONTINUITY	JOB
- Standing water table was not observed.	Jo JOINT Be BEDDING PLANE PARTING Fo FOLIATION PARTING Ci CLAY SEAM We WEATHERED SEAM Cr CRUSHED SEAM Sh SHEARED ZONE Qr QUARTZ SEAM	82220

CORED BOREHOLE MILLIBRARY.GPJ ARUP_AUS.GDT 10/10/02

ROCK CORE PHOTOGRAPHS

PROJECT: QUEENSLAND GALLERY OF MODERN ART

LOCATION: **BH104**
DATE: **30/08/2002**

