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BOREHOLE RECORD

HOLE **BH102**

SHEET **1**
OF **4**

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION **see Fig. 2.**
GROUND LEVEL **.101.9**

CONTRACTOR **WALKER DRILLING**
DRILL MODEL **DB1000**
MOUNTING **TRUCK**

ANGLE **90 degrees**
BEARING **-**
DIAMETER **100mm**

LOGGED BY **PFW**
DATE/S **27 JUNE '94**

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION		OBSERVATIONS	
SAMPLE, TEST, BIT, SUPPORT ETC	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER/ MOISTURE	CONSISTENCY		SOIL ORIGIN STRUCTURE, ETC
	AHD	m					Stiff	Soft	
AD-T					Gravelly SAND: brown, some clay, gravel to 20mm.	D - M			FILL
		0.7							
		1.0	CL - CH		Silty CLAY: dark grey, medium to high plasticity (strong hydrocarbon odour to at least 1.5m.).	M - W			HOLOCENE MARINE SEDIMENTS
		1.5							
WR		2.0							
		2.6							
		3.0	CL - CH		Silty CLAY: grey, medium to high plasticity, silt and some fine shell grit and fine wood fragments.				
U50 no recovery									
WR		4.0							
		4.5							
U50 qp: <50		5.0							
WR									
		6.0							
U50 qp: <50									
WR		7.0							
		7.5	CL - CH		Silty Sandy CLAY: grey, medium to high plasticity, silt and fine to medium sand, some fine shells, some wood chips and vegetation.				
SPT: (sink) *N=0		8.0							

NOTES

1. SPT at 7.5m sank under its own weight.

FIGURE

JOB

8151

BOREHOLE RECORD

HOLE **BH102**

SHEET **2**
OF **4**

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION see Fig. 2.
GROUND LEVEL 101.9

CONTRACTOR **WALKER DRILLING**
DRILL MODEL **DB1000**
MOUNTING **TRUCK**

ANGLE **90 degrees**
BEARING **-**
DIAMETER **100mm**

LOGGED BY **PFW**
DATE/S **27 JUNE '94**

DRILLING	STRATA			MATERIAL DESCRIPTION	CONDITION	OBSERVATIONS			
SAMPLE, TEST, BIT, SUPPORT ETC	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER/ MOISTURE	CONSISTENCY		SOIL ORIGIN STRUCTURE, ETC
	AHD	m					Stiff	Soft	
WR			CL		Silty CLAY: gray, medium to high plasticity, silt, some fine sand and shell grit.	M			HOLOCENE MARINE SEDIMENTS
U50 no recovery		9.0				W			
WR		10.0							
		10.4							
U50 qp: 300		10.5	CH		CLAY: mottled gray and brown, medium to high plasticity, some fine sand, stiff to very stiff. <u>CLAY</u> $C_u = 6 \times N = 6 \times 14 = 84 \text{ kPa}$	M			CONSOLIDATED PLEISTOCENE SEDIMENTS
		11.0							
WR									
		12.0							
SPT: 3,6,8 *N=14									
WR		13.0							
		13.5							
U50 qp: 450		14.0							
WR									
		15.0							
SPT: 5,8,11 *N=19									
WR		16.0							
NOTES						FIGURE		JOB	
								8151	

BOREHOLE RECORD

HOLE **BH102**

SHEET **3**
OF **4**

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION see Fig. 2.
GROUND LEVEL 101.9

CONTRACTOR **WALKER DRILLING** ANGLE **90 degrees**
DRILL MODEL **DB1000** BEARING **-**
MOUNTING **TRUCK** DIAMETER **100mm**

LOGGED BY **PFW**
DATE/S **27 JUNE '94**

DRILLING	STRATA		MATERIAL DESCRIPTION		CONDITION	OBSERVATIONS
SAMPLE, TEST, BIT, SUPPORT ETC	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER/MOISTURE
	AHD	m				
WR		16.4	CH		CLAY: mottled grey and brown (as above).	M
		16.8	SC		Clayey SAND: grey and brown.	
		17.0	CH		CLAY: grey and brown, medium to high plasticity, some fine sand.	
		18.0				
SPT:7,9,12 *N=21						
WR		19.0				
		20.0				
		21.0				
SPT:5,9,11 *N=20			CL		CLAY: grey, red and yellow, medium plasticity, some fine sand, thinly laminated.	
WR		22.0				
		23.0				
		24.0				
NOTES					FIGURE	JOB 8151

BOREHOLE RECORD

SHEET **4**

OF **4**

HOLE **BH102**

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION **see Fig. 2.**
GROUND LEVEL **101.9**

CONTRACTOR **WALKER DRILLING**
DRILL MODEL **DB1000**
MOUNTING **TRUCK**
ANGLE **90 degrees**
BEARING **-**
DIAMETER **100mm**

LOGGED BY **PFW**
DATE/S **28 JUNE '94**

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION		OBSERVATIONS	
SAMPLE, TEST, BIT, SUPPORT ETC	R.L	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Colour, Plasticity, Grain Size, Minor Components	WATER/ MOISTURE	CONSISTENCY		SOIL ORIGIN STRUCTURE, ETC
	AHD	m					Very soft	Soft	
SPT:6,8,11 *N=19			CL		CLAY: grey, red and yellow, medium plasticity, some fine sand, thinly laminated.	M			CONSOLIDATED PLEISTOCENE SEDIMENTS
WR		25.0							
		26.0							
		26.2							
		26.2	SP - SC		SAND: grey with brown bands, fine to coarse sand, some low plasticity clay, weakly cemented, medium dense to dense.				
		27.0							
SPT:7,11,17 *N=28									
WR		28.0							
		29.0							
		30.0							
		31.0			End BH102 at depth 30.0m.				
		32.0							

NOTES

1. When the rods were pulled up at 30.0m, the hole caved in 1.5m (to 28.5m). Therefore SPT was not performed. Hole abandoned at target depth 30.0m.

FIGURE

JOB

8151