

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Housing and Public Works under the [Creative Commons Attribution 4.0 Licence](https://creativecommons.org/licenses/by/4.0/) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department and author as follows: "(c) State of Queensland (Department of Housing and Public Works) 2020, licensed under the CC BY 4.0 Licence, prepared by Arup". This licence does not apply to logos or trademarks.

## **LIMITATION OF LIABILITY**

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://ggd.org.au/>

This log has been contributed to the Queensland Geotechnical Database with the permission of Arup.

**BOREHOLE RECORD**

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

HOLE **BH101**

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION see Fig. 2.  
GROUND LEVEL 101.6 (approx)

CONTRACTOR **WALKER DRILLING** ANGLE **90 degrees**  
DRILL MODEL **DB1000** BEARING **-**  
MOUNTING **TRUCK** 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					Stiff	Very Stiff	
WR		0.45			Concrete Driveway – 150mm Bedding Sand – 300mm				FILL
		1.0	CL		Silty CLAY: dark grey, medium to high plasticity.	M - W			HOLOCENE MARINE SEDIMENTS
		2.0							
		2.6							
		3.0	CL		Silty CLAY: dark grey, medium to high plasticity, some fine shell grit and wood fragments.				
U50 no recovery									
WR		4.0							
		4.5			Shell grit content increasing, some sand.				
U50 no recovery		5.0							
WR									
		6.0							
U50 qp: <50									
WR		7.0			Less shell grit evident.				
		7.5							
U50 qp: <50		8.0							
NOTES						FIGURE		JOB	
								8151	

# BOREHOLE RECORD

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

HOLE **BH101**

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION **see Fig. 2.**  
GROUND LEVEL **101.6**

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					Stiff	Soft	
WR			CL		Silty CLAY: dark grey, as above.	M			HOLOCENE MARINE SEDIMENTS
		8.5				W			
			CH		CLAY: mottled grey and yellow-brown, medium to high plasticity, stiff to very stiff, some sand and fine gravel.	M			CONSOLIDATED PLEISTOCENE SEDIMENTS
		9.0							
U50 qp: 300									
WR									
		10.0							
		10.5							
SPT:3,5,7 *N=12					CLAY: grey, red-brown and yellow-brown, medium to high plasticity, some fine sand, thinly laminated.				
		11.0							
WR									
		12.0							
SPT:5,8,10 *N=18						D			
						M			
WR									
		13.0							
		14.0							
		15.0							
U50 qp: 450									
WR									
		16.0							
NOTES						FIGURE		JOB	
								8151	

# BOREHOLE RECORD

HOLE **BH101** SHEET **3**  
OF **4**

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION see Fig. 2.  
GROUND LEVEL 101.6

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					VS	SL	
WR		17.0	CH		CLAY: grey and brown laminations, medium to high plasticity, some fine sand and traces of fine gravel, very stiff to hard.	D M			CONSOLIDATED PLEISTOCENE SEDIMENTS
		18.0							
SPT:5,9,13 *N=22									
WR		19.0							
		20.0							
		21.0							
SPT:6,8,10 *N=18									
WR		22.0							
		23.0							
		24.0							
NOTES						FIGURE		JOB	
								8151	

**BOREHOLE RECORD**

HOLE **BH101**




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

PROJECT **CAIRNS CONVENTION CENTRE**

LOCATION see Fig. 2.  
GROUND LEVEL 101.6

CONTRACTOR **WALKER DRILLING** ANGLE **90 degrees**  
DRILL MODEL **DB1000** BEARING **-**  
MOUNTING **TRUCK** 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					Stiff	Hard	
SPT:5,8,10 *N=18			CL		CLAY: mottled grey, red and yellow, medium plasticity, some fine sand, thinly laminated, very stiff.	D			CONSOLIDATED PLEISTOCENE SEDIMENTS
WR		25.0							
		26.0							
		26.5							
		27.0	SP - SC		SAND: grey and red, fine to coarse grained, some clay, dense.				
SPT:12,16,20 *N=36									
WR		28.0							
		29.0							
		29.1	SC		Clayey SAND: grey and brown, fine to coarse sand, medium to high plasticity clay.				(WEAKLY CEMENTED )
		30.0							
SPT:8,14,19 *N=33									
		30.45							
					End BH101 at depth 30.45m.				
		31.0							
		32.0							
NOTES						FIGURE		JOB	
								8151	