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BOREHOLE ENGINEERING LOG

BOREHOLE NO. **BH09**

SHEET 1 OF 2

Client:	QUEENSLAND DEPARTNENT OF MAIN ROADS	Date Commenced:	4/9/00
Project:	TUGUN BYPASS GEOTECHNICAL INVESTIGATION	Date Completed:	4/9/00
Borehole Location:	TUGUN	Recorded By:	AB
Project Number:	2134070A	Log Checked By:	DAW

Drill Model/Mounting: **DALY 1000 TRUCK MOUNTED** Hole Angle: **90°** Surface RL: **1.29 m AHD**
Borehole Diameter: **100 mm** Bearing: **---** Co-ords: **E 50569 N 87056 PMG**

Borehole Information						Field Material Description						
1	2	3	4	5	6	7	8	9	10	11	12	13
METHOD	SUPPORT	WATER	RL(m) AHD / DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL FIELD DESCRIPTION	MOISTURE	RELATIVE DENSITY / CONSISTENCY (VS S F / VL L MD / ST D VD / H)	HAND PENETROMETER (kPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS
TC	C		1					**Gravelly Silty SAND:** fine to coarse grained, dark grey, with fine to coarse angular gravel.	M			FILL- grass cover
		▼	0.90									
WB	M		1	3,4,7 N=11	SPT		SP	**SAND:** fine to medium grained, brown.	W			ESTUARINE/ FLOODPLAIN/TIDAL DELTA DEPOSITS
			0									
				4,6,8 N=14	SPT							
			2					... becoming pale grey-brown.				
				2,3,3 N=6	SPT							
			-1					... becoming orange-brown, slightly cemented.				
				4,5,5 N=10	SPT							
			3									
			-2									
			4					... becoming grey-brown, no cementing.				
				4,5,6 N=11	SPT							
			-3									
			5									
			-4									
				6,11,14 N=25	SPT			... becoming orange-grey.				
			6									
			-5					... becoming orange-brown.				
			7									
				7,11,14 N=25	SPT							
			-6									
			8									
			-7									
				8,12,15 N=27	SPT							
			9									
			-8									
			9.90									

This borehole log should be read in conjunction with Parsons Brinckerhoff's accompanying standard notes.

Parsons Brinckerhoff Australia Pty Ltd. Version 5.1 ENGINEERING BOREHOLE LOG 2134070A-2323 - BH.GPJ GEOTECH.GDT 15/8/05

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BOREHOLE ENGINEERING LOG

BOREHOLE NO. **BH09**

SHEET 2 OF 2

Client:	QUEENSLAND DEPARTNENT OF MAIN ROADS	Date Commenced:	4/9/00
Project:	TUGUN BYPASS GEOTECHNICAL INVESTIGATION	Date Completed:	4/9/00
Borehole Location:	TUGUN	Recorded By:	AB
Project Number:	2134070A	Log Checked By:	DAW

Drill Model/Mounting:	DALY 1000 TRUCK MOUNTED	Hole Angle:	90°	Surface RL:	1.29 m AHD
Borehole Diameter:	100 mm	Bearing:	---	Co-ords:	E 50569 N 87056 PMG

Borehole Information						Field Material Description						
1	2	3	4	5	6	7	8	9	10	11	12	13
METHOD	SUPPORT	WATER	RL(m) AHD / DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL FIELD DESCRIPTION	MOISTURE	RELATIVE DENSITY / CONSISTENCY (VS FB, S VL, F L, ST MD, VST D, H VD)	HAND PENETROMETER (kPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS
WB	M		-9 / 11 / -10 / 12 / 12.10 / -11 / 13 / -12 / 14 / -13 / 15 / -14 / 16 / -15 / 17 / -16 / 18 / -17 / 19 / -18	0,0,1 N=1	SPT		SM	Silty SAND: fine grained, yellow.*(continued)*	W			
				5,7,12 N=19	SPT							
							SP	SAND: fine to medium grained, brown.				
								... becoming yellow-grey.				
				6,11,12 N=23	SPT			... becoming yellow-brown.				
								... becoming orange-brown.				
				15,25 /N>25mm	SPT							
								END OF BOREHOLE AT 14.95 m				

This borehole log should be read in conjunction with Parsons Brinckerhoff's accompanying standard notes.

Parsons Brinckerhoff Australia Pty Ltd. Version 5.1 ENGINEERING BOREHOLE LOG 2134070A-2323 - BH.GPJ GEOTECH.GDT 15/8/05

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