

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (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 Transport and Main Roads) 2026, licensed under the CC BY 4.0 Licence, prepared by WSP*". 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://qgd.org.au/>



BOREHOLE ENGINEERING LOG

BOREHOLE NO:

BH75

SHEET 1 OF 3

Client: QUEENSLAND DEPARTMENT OF MAIN ROADS
Project: TUGUN BYPASS
Borehole Location: WESTERN ABUTMENT - NORTH PIER
Project Number: 2134070A-1352

Date Commenced: 12/6/03
Date Completed: 12/6/03
Recorded By: JM
Log Checked By: *hus*

Drill Model/Mounting: H/POWER SCOUT

Hole Angle: 90°

Surface RL: 2.4 m

Borehole Diameter: 100 mm

Bearing: —

Co-ords: E 47533 N 90186

Borehole Information						Field Material Description							
1	2	3	4	5	6	7	8	9	10	11	12	13	
METHOD	SUPPORT	WATER	RL(m)	DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL FIELD DESCRIPTION	MOISTURE	RELATIVE DENSITY / CONSISTENCY	HAND PENETROMETER (kPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS
VS	FB	VL	LC	ST	DO	ST	DO						
WB													Test bore located approximately 2m north of BH74
			2										
				1									
			1										
				2									
			0										
				3									
			1										
				4									
			2										
				5									
			3										
				6									
			4										
				7									
			5										

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



BOREHOLE NO.

CORED BOREHOLE ENGINEERING LOG

BH75

SHEET 3 OF 3

Client: QUEENSLAND DEPARTMENT OF MAIN ROADS
Project: TUGUN BYPASS
Borehole Location: WESTERN ABUTMENT - NORTH PIER
Project Number: 2134070A-1352

Date Commenced: 12/6/03
Date Completed: 12/6/03
Recorded By: JM
Log Checked By: *BW*

Drill Model/Mounting: H/POWER SCOUT

Hole Angle: 90°

Surface RL: 2.4 m

Borehole Diameter: 100 mm

Bearing: —

Co-ords: E 47533 N 90186

Borehole Information						Field Material Description					
1	2	3	4	5	6	7	8	9	10	11	12
METHOD	SUPPORT	WATER	CORE RECOVERY	RQD	RL(m)	DEPTH(m)	SOIL/ROCK MATERIAL FIELD DESCRIPTION	WEATHERING	INFERRED STRENGTH Is(50) MPa	AVERAGE DEFECT SPACING mm	STRUCTURE AND ADDITIONAL OBSERVATIONS
									0.03 0.1 0.3 1 3 10 EL VL X Y Z ILT ELT	30 100 300 1000 3000	
					-6						
						9					
					-7						
						10					
					-8						
						11					
					-9						
						12					
					-10						
						13					
					-11						
							COMMENCE CORING AT 13.62 m				
NMLC			100	0		14	INTERBEDDED META-GREYWACKE and ARGILLITE: grey and brown, mainly moderately weathered, low strength. ... 13.65m: highly fractured, laminated to thinly bedded, beds dip 20-60°. ... 14.18m: low and medium strength bands.	MW			Joints typically irregular, slightly rough, iron stained
			100	0		12					Sheared zone with clay infill 2-5mm
			100	0		15					14.82-15.05m: Crushed zone with clay and rock fragments
			100	0		13					15.34 & 15.47m: Crushed zone with clay and rock fragments
							END OF BOREHOLE AT 15.59 m				Approximate Northing and Easting figures

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