

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) 2020, 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/>

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



CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

UBH04

SHEET 2 OF 3

Client: Department of Transport and Main Roads
Project: Gold Coast Rapid Transit
Borehole Location: Proposed University Hospital Station cutting, Ch: 19443.6
Project Number: 2161016A

Date Commenced: 9/2/10
Date Completed: 10/2/10
Recorded By: NG
Log Checked By: LMK

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 24.89 m AHD*
Borehole Diameter: 75 mm Bearing: --- Co-ords: E 81452.85 N 62141.34 GCCC Grid*

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) AHD*	DEPTH(m)	GRAPHIC LOG	SOIL/ROCK MATERIAL FIELD DESCRIPTION	WEATHERING	INFERRED STRENGTH Is(50) MPa	AVERAGE DEFECT SPACING mm	STRUCTURE AND ADDITIONAL OBSERVATIONS
									EL 0.03 VL 0.1 L 0.3 M 1 H 3 VH 10 EH 10	30 100 300 1000 3000		
					-24	1						
					-23	2						
					-22	3		COMMENCE CORING AT 3 m				
NMLC	M		100	40	3.50			META-SANDSTONE: medium grained, white to pale grey with yellow and red staining.	HW			3.2 m: foliation 60°
					-21	4		META-SILTSTONE: white to pale grey, chlorite alteration.	XW			
					-20	5		CORE LOSS				
			0	0	-19	6						
WB					6.00			META-SILTSTONE: white to pale grey.	XW			6.0 m - 6.45 m: SPT 8, 16, 29
					6.45			... change of colour to pale red				
			60	10	6.80			... 6.8 m - 6.85 m quartz vein	HW			6.9 m: foliation angle 30°
					7.00	7		CORE LOSS				
					7.50			META-SILTSTONE: white to pale grey.	XW			7.5 m - 7.95 m: SPT 9, 21, 30/105
					-17	8						
			100	0	8.85			...8.85-9.0 meta-sandstone, medium grained, pale grey, orange iron staining				
			88	0	-15	9						

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

Client: Department of Transport and Main Roads
 Project: Gold Coast Rapid Transit
 Borehole Location: Proposed University Hospital Station cutting, Ch: 19443.6
 Project Number: 2161016A

Date Commenced: 9/2/10
 Date Completed: 10/2/10
 Recorded By: NG
 Log Checked By: *LMK*

Drill Model/Mounting: Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 24.89 m AHD*
 Borehole Diameter: 75 mm Bearing: --- Co-ords: E 81452.85 N 62141.34 GCCC Grid*

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) AHD*	DEPTH(m)	GRAPHIC LOG	SOIL/ROCK MATERIAL FIELD DESCRIPTION	WEATHERING	INFERRED STRENGTH Is(50) MPa	AVERAGE DEFECT SPACING mm	STRUCTURE AND ADDITIONAL OBSERVATIONS
NMLC									EL 0.03 VL 0.1 L 0.3 M 1 H 3 UH 10	0 30 100 300 1000 3000		
			86	13				META-SILTSTONE: white to pale grey. (continued)	XW			10.2 m: foliation angle 75°
						11						10.9 m: foliation angle 75°
			94	37		11.28		META-SANDSTONE: fine to medium grained, pale orange iron staining.				
						12.00		META-SILTSTONE: pale green-grey, extremely weathered, extremely low strength, chlorite alteration.				
			90	50		12.80		META-SANDSTONE: fine to medium grained, pale grey to pale yellow with minor pale orange staining.	HW			
			100	0		13.60		META-SILTSTONE: pale grey with orange and red staining.	XW			
			100	10		14.47		META-SANDSTONE: fine to medium grained, purple staining.	HW			
						15.05		META-SILTSTONE: pale grey with minor purple staining.	XW			
			95	10		15.32		META-SANDSTONE: fine grained, purple staining.				
			70	0		16.40		META-SILTSTONE: pale grey.				
						17		...17.1 purple staining ...17.15-17.25 quartz vein, iron stained, fragmented				
			64	0		17.80		...pale grey				
						18		END OF BOREHOLE AT 18.00 m				* Horizontal and vertical data determined by ground survey
						19						
						20						
						21						
						22						
						23						
						24						
						25						
						26						
						27						
						28						
						29						
						30						
						31						
						32						
						33						
						34						
						35						
						36						
						37						
						38						
						39						
						40						
						41						
						42						
						43						
						44						
						45						
						46						
						47						
						48						
						49						
						50						
						51						
						52						
						53						
						54						
						55						
						56						
						57						
						58						
						59						
						60						
						61						
						62						
						63						
						64						
						65						
						66						
						67						
						68						
						69						
						70						
						71						
						72						
						73						
						74						
						75						
						76						
						77						
						78						
						79						
						80						
						81						
						82						
						83						
						84						
						85						
						86						
						87						
						88						
						89						
						90						
						91						
						92						
						93						
						94						
						95						
						96						
						97						
						98						
						99						
						100						
						101						
						102						
						103						
						104						
						105						
						106						
						107						
						108						
						109						
						110						
						111						
						112						
						113						
						114						
						115						
						116						
						117						
						118						
						119						
						120						
						121						
						122						
						123						
						124						
						125						
						126						
						127						
						128						
						129						
						130						
						131						
						132						
						133						
						134						
						135						
						136						
						137						
						138						
						139						
						140						
						141						
						142						
						143						
						144						
						145						
						146						
						147						
						148						
						149						
						150						
						151						
						152						
						153						
						154						
						155						
						156						
						157						
						158						
						159						
						160						
						161						
						162						
						163						
						164						
						165						
						166						
						167						
						168						
						169						
						170						
						171						
						172						
						173						
						174						
						175						
						176						
						177						
						178						
						179						
						180						
						181						
						182						
						183						
						184						
						185						
						186						
						187						
						188						
						189						
						190						
						191						
						192						
						193						
						194						
						195						
						196						
						197						
						198						
						199						
						200						
						201						
						202						

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

REPORT OF PHOTOGRAPHS



Borehole number: **UBH04**

Sheet 1 of 1

Client:	Department of Transport and Main Roads	Coordinates:	E 81452.85 N 62141.34	Depth range:	3.0 m – 18.0 m
Project:	Gold Coast Rapid Transit	Surface RL:	24.89 m	Inclined length:	–
Borehole location:	Ch: 19485	Hole angle:	90 °	Drill model/mounting:	Hydrapower Scout
Project number:	2161016A	Bearing:	–	Borehole diameter:	75 mm

