

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by Port of Brisbane Pty Ltd under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute Port of Brisbane Pty Ltd and the author as follows: "(c) *Port of Brisbane Pty Ltd 2023, 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 Port of Brisbane Pty Ltd 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/>

ARUP		BOREHOLE RECORD					HOLE T-BH01			SHEET 1 OF 5			
CLIENT Port of Brisbane Pty Ltd		PROJECT Port Drive Upgrade					LOGGED BY Kieran Toon		CHECKED BY Jon Gerig				
CONTRACTOR DRILL MODEL DRILLER							DRILLED DATE 01-Sep-16		GROUND LEVEL LOCATION ELEVATION DATUM COORDINATE SYSTEM				
Hydrapower Scout Douglas Partners		ANGLE BEARING HOLE DIAMETER		Vertical - 75mm (W)		RL 3.58m 516363 E 6968619 N							
DRILLING		STRATA			MATERIAL DESCRIPTION			CONDITION			OBSERVATION		
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY				SOIL ORIGIN, STRUCTURE, ETC.		
	mAHD	m					COHESIVE		NON COHESIVE				
D+J 0.0-0.2	3.48	0.10			SAND fine to medium grained, dark brown, trace clay.	D							FILL
					Gravelly SAND fine to coarse grained, pale brown, gravel is fine grained, sub-rounded, trace high plasticity clay.	D							FILL
D+J 0.5-0.6													
	2.78	0.80			Sandy CLAY high plasticity, brown, sand is fine grained,.	D-M							FILL
D+J 0.9-1.0 SPTLS SPT01 N=16 9;8,8													
	2.38	1.20			SAND fine to medium grained, yellow - brown,.	M							FILL
D+J 1.9-2.0													
SPTLS SPT02 N=3 2;2,1													
D+J 2.8-3.0													
U U50#1													
	0.28	3.30			Clayey SAND fine grained, dark grey, clay is high plasticity,.	W							HLCN
D+J 3.9-4.1 SPTLS SPT03 N=0 0;0,0													
D+J 4.9-5.0													
SPTLS SPT04 N=1 0;1,0													
D+J 4.9-5.0													
SPTLS SPT05 N=9 1;4,5													
U U50#2													
NOTES								JOB 249964					

Project: j:\249000\249964-00 pdu detailed design\work\internal\design\gint\proj\portdriveupgrade v2.ppt  
 Library: g:\int 220 geotech\7.0 software\gint2 library and template bris\_p01 2011\bris\_library\_p02 unlocked.glb  
 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15Jun11 checked AB/ACP Feb 2006)  
 gINT output page 1 of 5. Made 16May17 14:54

CLIENT	Port of Brisbane Pty Ltd	LOGGED BY	Kieran Toon
PROJECT	Port Drive Upgrade	CHECKED BY	Jon Gerig
		DRILLED DATE	01-Sep-16
CONTRACTOR		ANGLE	Vertical
DRILL MODEL	Hydrapower Scout	BEARING	-
DRILLER	Douglas Partners	HOLE DIAMETER	75mm (W)
		GROUND LEVEL	RL 3.58m
		LOCATION	516363 E 6968619 N
		ELEVATION DATUM	
		COORDINATE SYSTEM	

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION		OBSERVATION									
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY		SOIL ORIGIN, STRUCTURE, ETC.								
	mAHD	m					COHESIVE	NON COHESIVE									
							VS SL ST VST H	VL J MD D VD									
					CLAY high plasticity, grey with brown mottling,. <i>(continued)</i>		VS	SL	ST	VST	H	VL	J	MD	D	VD	PLSTNC
SPTLS SPT06 N=10 3,4,6		9				M											
SPTLS SPT07 N=12 4,5,7		10				M											
		11															
SPTLS SPT08 N=14 5,7,7		12															
		13															
SPTLS SPT09 N=13 4,6,7		14															
		15															
SPTLS SPT10 N=13 4,6,7																	

NOTES	JOB 249964
-------	---------------

ARUP		BOREHOLE RECORD				HOLE T-BH01		SHEET 3 OF 5						
CLIENT Port of Brisbane Pty Ltd		LOGGED BY Kieran Toon				CHECKED BY Jon Gerig								
PROJECT Port Drive Upgrade		DRILLED DATE 01-Sep-16												
CONTRACTOR DRILL MODEL DRILLER		Hydrapower Scout Douglas Partners		ANGLE BEARING HOLE DIAMETER		Vertical - 75mm (W)		GROUND LEVEL LOCATION ELEVATION DATUM COORDINATE SYSTEM						
DRILLING		STRATA			MATERIAL DESCRIPTION		CONDITION		OBSERVATION					
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY				SOIL ORIGIN, STRUCTURE, ETC.			
	mAHD	m					COHESIVE		NON COHESIVE					
SPTLS SPT11 N=14 4,5,9		17			CLAY high plasticity, grey with brown mottling,. (continued)		VS	SL	ST	HT	VL	LD	VD	PLSTNC
SPTLS SPT12 N=14 5,6,8		18												
SPTLS SPT13 N=27 11;19,8		19												
	-16.02	19.60			Silty CLAY low plasticity, brown and pale yellow,.	M								RS/XW
SPTLS SPT14 N=23 6;10,13		21												
SPTLS SPT15 N=23 6;10,13		22												
SPTLS SPT16 N=25 7;10,15		23												
NOTES								JOB 249964						

Project: j:\24900\249964-00 pdu detailed design\geotech\gint\proj\portdriveupgrade v2.ppt  
Library: g:\int 220 geotech\7.0 software\gint2 library and template bris\_p01 2011\bris\_library\_p02 unlocked.glb  
Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15Jun11 checked AB/ACP Feb 2006)  
gINT output page 3 of 5. Made 16May17 14:54

ARUP		BOREHOLE RECORD					HOLE T-BH01		SHEET 4 OF 5				
CLIENT Port of Brisbane Pty Ltd		PROJECT Port Drive Upgrade					LOGGED BY Kieran Toon		CHECKED BY Jon Gerig				
							DRILLED DATE 01-Sep-16						
CONTRACTOR DRILL MODEL DRILLER		Hydrapower Scout Douglas Partners		ANGLE BEARING HOLE DIAMETER		Vertical - 75mm (W)		GROUND LEVEL LOCATION ELEVATION DATUM COORDINATE SYSTEM		RL 3.58m 516363 E 6968619 N			
DRILLING		STRATA			MATERIAL DESCRIPTION			CONDITION		OBSERVATION			
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY				SOIL ORIGIN, STRUCTURE, ETC.		
	mAHD	m					COHESIVE		NON COHESIVE				
							VS	SL	ST	VS		VL	LD
SPTLS SPT17 N=22 4;9,13		25			Silty CLAY low plasticity, brown and pale yellow,. (continued)							RS/XW	
		26											
SPTLS SPT18 N=16 3;6,10		27					M						
		28					M						
SPTLS SPT19 N=38 8;16,22		29											
	-25.52	29.10											
SPTLS SPT20 N=78** 20/115s		30				SILTSTONE brown, residual soil.	D-M						RS/XW
		31											
SPTLS SPT21 N=75** 20/120s													
NOTES										JOB 249964			

Project: j:\24900\249964-00 pdu detailed design\geotech\gint\portdriveupgrade v2.ppt  
Library: g:\int 220 geotech\7.0 software\gint2 library and template bris.p01 2011\bris library.p02 unlocked.glb  
Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15Jun11 checked AB/ACP Feb 2006)  
gINT output page 4 of 5. Made 16May17 14:54

# BOREHOLE RECORD

HOLE

SHEET 5

T-BH01

OF 5

CLIENT Port of Brisbane Pty Ltd

PROJECT	Port Drive Upgrade
---------	--------------------

LOGGED BY	Kieran Toon
CHECKED BY	Jon Gerig
DRILLED DATE	01-Sep-16

CONTRACTOR	
DRILL MODEL	Hydrapower Scout
DRILLER	Douglas Partners

ANGLE	Vertical
BEARING	-
HOLE DIAMETER	75mm (W)

GROUND LEVEL LOCATION	RL 3.58m
ELEVATION DATUM	516363 E 6968619 N
COORDINATE SYSTEM	

[illegible]

## NOTES

JOB

249964