

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by McConnell Dowell under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute as follows: "(c) *McConnell Dowell 2024, licensed under the CC BY 4.0 Licence, prepared by Cardno*". 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 McConnell Dowell 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 LOG SHEET

<b>Client:</b> McCONNELL DOWEL	<b>Hole No: BH3</b>	
<b>Project:</b> 05SRW01 - RETAINING WALL	<b>Job No:</b> 10415 - 05SRW01	<b>Sheet:</b> 1 of 6
<b>Location:</b> BROADBEACH	<b>Angle from Horizontal:</b> 90°	<b>Surface Elevation:</b> 2.397 m AHD
<b>Position:</b> E86356.183 N53977.963 56 MGA94	<b>Bit:</b>	<b>Driller:</b> MD
<b>Rig Type:</b> Hydropower Scout	<b>Contractor:</b> DRILLSURE	
<b>Casing Diameter:</b>	<b>Logged By:</b> RH	<b>Date Logged:</b> 10/12/12
<b>Date Started:</b> 10/12/12	<b>Date Completed:</b> 10/12/12	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
0.0 - 1.5												SILTY SAND, fine to medium grained, red/brown/orange, trace of rock fragments, moist, FILL
1.50 - 1.95						D 1.50 - 1.95 m SPT = 3, 3, 3 N=6						SILTY SAND, coarse grained, red/orange, loose, NATURAL
1.95 - 2.50												CLAYEY SAND, medium grained, brown, trace of gravel, wet, loose, NATURAL
2.50 - 2.95					10/12/12	D 2.50 - 2.95 m SPT = 2, 3, 3 N=6						
2.95 - 3.50												SAND, fine to medium grained, grey, with silt, wet, very loose to loose, NATURAL
3.50 - 4.95						D 3.50 - 4.95 m SPT = 0, 1, 1 N=2						
4.95 - 5.50						D 4.50 - 4.95 m SPT = 3, 3, 5 N=8						SAND, fine to medium grained, white, with silt, wet, loose, NATURAL

BG LIB 05.GLB\_Log BG SOIL LOG\_10415\_05SRW01\_BOREHOLES.GPJ <<DrawingFile>> 11/12/2012 17:32

See Standard Sheets for details of abbreviations & basis of descriptions



Cardno Bowler Pty Ltd  
1 Fox Road  
Acacia Ridge  
PH: 07 3220 8500  
FAX: 07 3320 8599

# BOREHOLE LOG SHEET

<b>Client:</b> McCONNELL DOWEL	<b>Hole No: BH3</b>	
<b>Project:</b> 05SRW01 - RETAINING WALL	<b>Job No:</b> 10415 - 05SRW01	<b>Sheet:</b> 2 of 6
<b>Location:</b> BROADBEACH	<b>Position:</b> E86356.183 N53977.963 56 MGA94	<b>Surface Elevation:</b> 2.397 m AHD
	<b>Angle from Horizontal:</b> 90°	<b>Driller:</b> MD
<b>Rig Type:</b> Hydropower Scout	<b>Bit:</b>	
<b>Casing Diameter:</b>	<b>Contractor:</b> DRILLSURE	
<b>Date Started :</b> 10/12/12	<b>Date Completed:</b> 10/12/12	<b>Date Logged:</b> 10/12/12
	<b>Logged By:</b> RH	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
5.5												SAND, fine to medium grained, white, with silt, wet, loose, NATURAL
6.0					D 6.00 - 6.45 m SPT = 5, 5, 4 N=9							
6.5												
7.0												SAND, medium grained, white/yellow, with shells and silt, wet, medium dense, NATURAL
7.5					D 7.50 - 7.95 m SPT = 8, 10, 12 N=22							
8.0												
8.5												
9.0					D 9.00 - 9.45 m SPT = 21, 17, 23 N=42							
9.5												

DRAFT

BG\_LIB\_05.GLB\_Log\_BG\_SOIL\_LOG\_10415\_05SRW01\_BOREHOLES.GPJ <<DrawingFile>> 11/12/2012 17:32

See Standard Sheets for details of abbreviations & basis of descriptions		Cardno Bowler Pty Ltd 1 Fox Road Acacia Ridge PH: 07 3220 8500 FAX: 07 3320 8599
--	---	--

# BOREHOLE LOG SHEET

<b>Client:</b> McCONNELL DOWEL	<b>Hole No: BH3</b>	
<b>Project:</b> 05SRW01 - RETAINING WALL	<b>Job No:</b> 10415 - 05SRW01	<b>Sheet:</b> 3 of 6
<b>Location:</b> BROADBEACH	<b>Angle from Horizontal:</b> 90°	<b>Surface Elevation:</b> 2.397 m AHD
<b>Position:</b> E86356.183 N53977.963 56 MGA94	<b>Bit:</b>	<b>Driller:</b> MD
<b>Rig Type:</b> Hydropower Scout	<b>Contractor:</b> DRILLSURE	
<b>Casing Diameter:</b>	<b>Logged By:</b> RH	<b>Date Logged:</b> 10/12/12
<b>Date Started:</b> 10/12/12	<b>Date Completed:</b> 10/12/12	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
10.00 - 10.45						D 10.00 - 10.45 m SPT = 13, 15, 18 N=33						SAND, medium grained, white/yellow, with shells and silt, wet, medium dense, NATURAL
12.00 - 12.45						D 12.00 - 12.45 m SPT = 14, 20, 20 N=40						CLAYEY SAND, medium grained, grey, with soft clay lenses, wet, medium dense, NATURAL
13.50 - 13.95						D 13.50 - 13.95 m SPT = 4, 2, 9 N=11						

DRAFT

BG\_LIB\_05\_GLB\_Log\_BG\_SOIL\_LOG\_10415\_05SRW01\_BOREHOLES.GPJ <<DrawingFile>> 11/12/2012 17:32

See Standard Sheets for details of abbreviations & basis of descriptions



Cardno Bowler Pty Ltd  
 1 Fox Road  
 Acacia Ridge  
 PH: 07 3220 8500  
 FAX: 07 3320 8599

# BOREHOLE LOG SHEET

<b>Client:</b> McCONNELL DOWEL	<b>Hole No: BH3</b>	
<b>Project:</b> 05SRW01 - RETAINING WALL	<b>Job No:</b> 10415 - 05SRW01	<b>Sheet:</b> 4 of 6
<b>Location:</b> BROADBEACH	<b>Angle from Horizontal:</b> 90°	<b>Surface Elevation:</b> 2.397 m AHD
<b>Position:</b> E86356.183 N53977.963 56 MGA94	<b>Bit:</b>	<b>Driller:</b> MD
<b>Rig Type:</b> Hydropower Scout	<b>Contractor:</b> DRILLSURE	
<b>Casing Diameter:</b>	<b>Logged By:</b> RH	<b>Date Logged:</b> 10/12/12
<b>Date Started:</b> 10/12/12	<b>Date Completed:</b> 10/12/12	

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
15.5						D 15.00 - 15.29 m SPT = 26, 30/140 N>50			-13.0			SILTY SAND, fine to medium grained, pale grey, with clay, wet, very dense, NATURAL
16.0									-13.5			
16.5						D 16.50 - 16.95 m SPT = 15, 30/140 N>50			-14.0			SILTY SAND, fine to medium grained, pale grey, with clay, wet, dense, NATURAL
17.0									-14.5			
17.5									-15.0			SILTY SAND, fine to medium grained, pale grey, low plasticity clay, wet, dense, NATURAL
18.0						D 18.00 - 18.45 m SPT = 13, 17, 24 N=41			-15.5			
18.5									-16.0			SILTY SAND, fine to medium grained, pale grey, wet, medium dense, NATURAL
19.0									-16.5			
19.5						D 19.50 - 19.95 m SPT = 8, 5, 5 N= 10			-17.0			CLAYEY SAND, fine to medium grained, grey, wet, medium dense, NATURAL
									-17.5			

DRAFT

BG\_LIB\_05\_GLB\_Log\_BG\_SOIL\_LOG\_10415\_05SRW01\_BOREHOLES.GPJ <<DrawingFile>> 11/12/2012 17:32

See Standard Sheets for details of abbreviations & basis of descriptions



Cardno Bowler Pty Ltd  
 1 Fox Road  
 Acacia Ridge  
 PH: 07 3220 8500  
 FAX: 07 3320 8599

# BOREHOLE LOG SHEET

<b>Client:</b> McCONNELL DOWEL	<b>Hole No: BH3</b>	
<b>Project:</b> 05SRW01 - RETAINING WALL	<b>Job No:</b> 10415 - 05SRW01	<b>Sheet:</b> 5 of 6
<b>Location:</b> BROADBEACH	<b>Angle from Horizontal:</b> 90°	<b>Surface Elevation:</b> 2.397 m AHD
<b>Position:</b> E86356.183 N53977.963 56 MGA94	<b>Bit:</b>	<b>Driller:</b> MD
<b>Rig Type:</b> Hydropower Scout	<b>Contractor:</b> DRILLSURE	
<b>Casing Diameter:</b>	<b>Date Started:</b> 10/12/12	<b>Date Completed:</b> 10/12/12
<b>Date Started:</b> 10/12/12	<b>Date Completed:</b> 10/12/12	<b>Logged By:</b> RH

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
20.5												CLAYEY SAND, fine to medium grained, grey, wet, dense, NATURAL
21.0					D 21.00 - 21.45 m SPT = 0, 0, 2 N=2							CLAYEY SAND, fine to medium grained, grey, wet, very loose, NATURAL
21.5												
22.0												
22.5					D 22.50 - 22.95 m SPT = 1, 4, 5 N=9							CLAYEY SAND, fine to medium grained, grey, with shells, wet, loose, NATURAL
23.0												CLAYEY GRAVELLY CLAY, fine to coarse grained, grey, fine grained gravel, wet, medium dense, NATURAL
23.5												
24.0					D 24.00 - 24.45 m SPT = 4, 9, 16 N=25							SILTSTONE, fine grained, pale blue/grey, extremely low strength, extremely weathered
24.5												

DRAFT

BG\_LIB\_05\_GLB\_Log\_BG\_SOIL\_LOG\_10415\_05SRW01\_BOREHOLES.GPJ <<DrawingFile>> 11/12/2012 17:32

See Standard Sheets for details of abbreviations & basis of descriptions



Cardno Bowler Pty Ltd  
1 Fox Road  
Acacia Ridge  
PH: 07 3220 8500  
FAX: 07 3320 8599

# BOREHOLE LOG SHEET

<b>Client:</b> McCONNELL DOWEL	<b>Hole No: BH3</b>	
<b>Project:</b> 05SRW01 - RETAINING WALL	<b>Job No:</b> 10415 - 05SRW01	<b>Sheet:</b> 6 of 6
<b>Location:</b> BROADBEACH	<b>Position:</b> E86356.183 N53977.963 56 MGA94	<b>Angle from Horizontal:</b> 90°
	<b>Surface Elevation:</b> 2.397 m AHD	
<b>Rig Type:</b> Hydropower Scout	<b>Bit:</b>	<b>Driller:</b> MD
<b>Casing Diameter:</b>	<b>Contractor:</b> DRILLSURE	
<b>Date Started:</b> 10/12/12	<b>Date Completed:</b> 10/12/12	<b>Logged By:</b> RH
		<b>Date Logged:</b> 10/12/12

Depth (m)	Drilling				Groundwater (m)	Sample or Field Test	Recovered	DCP	RL (m AHD)	Graphic Log	USCS Symbol	Description (SYMBOL, SOIL NAME, plasticity/particle characteristics, colour, minor components, moisture, consistency, structure, ORIGIN)
	Auger 'V' Bit	Auger 'TC' Bit	Washbore	Casing								
25.5						D 25.50 - 25.95 m SPT = 17, 24, 29 N=53			-23.0			SILTSTONE, fine grained, pale blue/grey, extremely low strength, extremely weathered
26.0									-23.5			BOREHOLE TERMINATED AT 25.95 m
26.5									-24.0			
27.0									-24.5			
27.5									-25.0			
28.0									-25.5			
28.5									-26.0			
29.0									-26.5			
29.5									-27.0			
									-27.5			

DRAFT

BG\_LIB\_05.GLB\_Log\_BG\_SOIL\_LOG\_10415\_05SRW01\_BOREHOLES.GPJ <<DrawingFile>> 11/12/2012 17:32

See Standard Sheets for details of abbreviations & basis of descriptions		Cardno Bowler Pty Ltd 1 Fox Road Acacia Ridge PH: 07 3220 8500 FAX: 07 3320 8599
--	---	--