

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 as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2026, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo 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/>



**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER TO TMR FORM F:GEOT 017/10 - 2019

BOREHOLE No **BH26**

Sheet 1 of 2

REFERENCE No **H13347**

PROJECT Centenary Bridge Upgrade

LOCATION Brisbane River, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore COORDINATES 494786.68 E; 6955147.15 N

PROJECT No FG18012 SURFACE RL -5.50m PLUNGE 90° DATE STARTED 08/03/2019 GRID DATUM MGA94 56J

JOB No 498/05038 HEIGHT DATUM m AHD BEARING DATE COMPLETED 09/03/2019 DRILLER Schneider Drilling

DEPTH (m)	R.L. (m)	AUGER Casing WASH BORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY GROUP SYMBOL / WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
1					Sandy GRAVEL trace silt (Alluvium) Grey and brown, wet, loose. 50% fine to coarse gravel, sub-angular to angular grains. 45% medium to coarse grained sand. 5% low plasticity silt.	(GW)				
2				A						5, 3, 2 N=5 SPT
3	-8.70			B						4, 3, 2 N=5 SPT
4				C	CLAY trace sand and gravel (Alluvium) Dark brown to grey, wet, very soft. 90% clay, high plasticity. 5% fine to coarse grained sand. 5% fine grained gravel, sub-rounded grains. With interbedded Gravelly Silty CLAY bands.				hw, hw, hw N<1 LL=79% PI= 47% MC=53.8% LS=21%	SPT
5				D		CH				hw, 1, 3 N=4 SPT
6										
7				E	7.0-7.5m: Silty CLAY band. Dark brown to grey, wet, very stiff. 50% clay, 15% silt, 30% gravel, 5% sand.					12, 10, 10 N=20 SPT
8	-13.00			F	Gravelly SAND trace silt (Alluvium) Grey and brown, wet, loose. 50% fine to coarse grained sand. 45% fine to coarse gravel, sub-angular grains. 5% low plasticity silt.	(SW)				7, 4, 3 N=7 SPT
9	-15.30				ARGILLITE					

REMARKS: Barge deck at 3.00 m AHD, 8.5 m measured from barge deck to river bed

LOGGED BY

E. Maxwell

REVIEWED BY

S. Foley



**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER TO TMR FORM F:GEOT 017/10 - 2019

BOREHOLE No **BH26**

Sheet 2 of 2

REFERENCE No **H13347**

PROJECT	Centenary Bridge Upgrade				
LOCATION	Brisbane River, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES 494786.68 E; 6955147.15 N	
PROJECT No	FG18012	SURFACE RL -5.50m	PLUNGE 90°	DATE STARTED 08/03/2019	GRID DATUM MGA94 56J
JOB No	498/05038	HEIGHT DATUM m AHD	BEARING	DATE COMPLETED 09/03/2019	DRILLER Schneider Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY GROUP SYMBOL / WEATHERING	INTACT STRENGTH EH VH H M L VL	DEFECT SPACING EC VC C M W VW	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
	-16.12		(0)	G	ARGILLITE MW: Dark blue to grey, fine grained, medium strength. Interbedded low strength clayey bands and high strength bands, iron staining. Js1: 0-30° (10-12/m), Ro, TI-FL, Cn, Cly Ct.	MW			10.20m-10.21m: Clayey band.	20/10mm hb
11			100 (0)			HW			10.62m-10.79m: Broken zone, clay infill.	Is(50)=0.47 MPa D (10.49m)
			100 (0)		Js2: 30-50° (5-6/m), Ro, TI-FL, Cn, Cly Ct.	MW			10.93m-11.16m: Broken zone, clay infill.	Is(50)=0.11 MPa A (10.80m)
12			100 (0)		ARGILLITE HW: Dark and pale grey mottled red brown, fine grained, low to medium strength. Interbedded high strength bands, iron staining and clay infill.	HW			11.16m-11.50m: Becoming Dark blue to grey. Js1: 0-30° (20/m), Ro, TI-OP-FL, Cn, Cly Ct. Js2: 30-50° (25/m), Ro, TI-OP-FL, Cn, Cly Ct, Fe Stn.	Is(50)=0.12 MPa Is(50)=0.04 MPa UCS=0.56 MPa D (11.53m) A (11.58m) (11.61m)
	-18.30		100 (65)		Js1: 0-30° (8-10/m), Ro, TI-FL, Cn, Cly Ct. Js2: 30-50° (4-6/m), Ro, TI-FL, Cn, Cly Ct.				11.40m-11.50m: Crushed/ broken zone. 11.67m-11.83m: Clay band.	
13			100 (69)		From 11.5m Becoming dark grey with red-brown staining/mottles. Js1: 0-30° (2-3/m), Ro, TI, FL, Cly Ct. Js2: 30-50° (15/m), Ro, TI-FL, partially HD, Cly Ct.				12.47m-12.60m: Broken zone. 12.68m-12.80m: Clay band.	Is(50)=0.51 MPa Is(50)=0.47 MPa D (12.84m) A (12.87m)
14					ARGILLITE SW-Fr: Dark and pale grey, fine grained, high strength. Quartz veining. Js1: 0-30° (3-4/m), Sm-Ro, TI, Cn. Js2: 30-50° (6-8/m), Sm, TI, Cn. Js3: 0-30° (6-8/m), HD, FL, Qtz.	SA				Is(50)=0.96 MPa Is(50)=0.33 MPa D (13.94m) A (13.98m)
15			100 (0)							
16					From 15.8m: Js1: 0-30° (4-5/m), Ro, TI-FL, Cn, Cly Ct. Js2: 30-50° (5-6/m), Ro, TI-FL, Cn, Cly Ct. Js: 80-90° (6-7/m), Ro, TI-FL, Cn, Cly Ct.	MA				Is(50)=0.24 MPa Is(50)=0.48 MPa A (15.62m) D (15.75m)
17	-22.18		100		Borehole completed at 16.68 m				16.47m-16.60m: Broken zone.	
18										
19										

REMARKS: Barge deck at 3.00 m AHD, 8.5 m measured from barge deck to river bed

LOGGED BY

E. Maxwell

REVIEWED BY

S. Foley

CORE PHOTO LOG
DEPARTMENT OF TRANSPORT AND MAIN ROADS
GEOTECHNICAL SECTION

Project Name	Centenary Bridge Upgrade – Geotechnical Investigation		
Project No.	FG18012	Date	08/03/2019
Borehole No.	BH26	Reference No.	
Location	Brisbane River	Start Depth (m)	10.1
Submitted By	E.Maxwell	Finish Depth (m)	16.68

