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**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH14**

Sheet 1 of 3

REFERENCE No **H13334**

PROJECT	Centenary Bridge Upgrade				
LOCATION	Brisbane River, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES 494748.40 E; 6955154.87 N	
PROJECT No	FG18012	SURFACE RL -11.01m	PLUNGE 90°	DATE STARTED 01/03/2019	GRID DATUM MGA94 56J
JOB No	498/05038	HEIGHT DATUM m AHD	BEARING	DATE COMPLETED 02/03/2019	DRILLER Schneider Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING CORE REC %	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY GROUP SYMBOL / WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
1				A	Sandy GRAVEL (Alluvium) Brown to grey, wet, loose. 65% fine to coarse grained gravel, sub- angular 35% fine to coarse grained sand.	(GW)				3, 3, 5 N=8 SPT
2	-13.01			B					1.20m-1.25m: Disturbed sample. Sample 'C'	5, 3, 4 N=7 SPT
3	-14.21			D	SAND with gravel and silt (Alluvium) Brown to grey to black, wet, loose 70% fine to coarse grained sand 20% fine to coarse grained gravel, subangular grains 10% silt, low plasticity.	(SW)			2.20m-2.25m: Environmental sample 'D1'	4, 3, 2 N=5 SPT
4				E	GRAVEL with sand and silt (Alluvium) Brown to grey, wet, medium dense. 60% fine to coarse gravel, subangular grains 30% fine to coarse grained sand. 10% silt, low plasticity				3.20m-3.25m: Environmental sample 'E1'	8, 6, 6 N=12 SPT
5				F						15, 10, 8 N=18 SPT
6				G		(GW)			5.50m-5.60m: Environmental sample 'G1'	12, 14, 13 N=27 SPT
7				H					6.20m-6.25m: Environmental sample 'H1'	16, 6, 5 N=11 SPT
8				I						13, 9, 7 N=16 SPT
9	-19.31			J	Clayey GRAVEL trace sand (Residual) Grey brown to blue grey, wet, very dense. 55% fine to medium grained gravel, angular grains. 30% clay, low plasticity, 10% silt, low plasticity, 5% fine grained sand. METAGREYWACKE (DCf) SA: Green to grey, fine grained, foliation	(GC)			8.40m-8.43m: Environmental sample 'J1'	15, 30/80mm SPT
	-20.01			K		XW			9.44m-9.55m: Cly BZ 9.45m-10.25m: Fp: 70°-90° (3-5/m) Und, Sm, TI-OP, Cn- Cly Ct Js: 30°-45° (3-10m) Pln, Sm,	30/70mm SPT

REMARKS: Barge deck at 2.93 m AHD, 13.94m measured from barge deck to river bed

LOGGED BY
E. Maxwell/M.
Hayes

REVIEWED BY
S. Foley



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GEOTECHNICAL BOREHOLE LOG

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BOREHOLE No **BH14**

Sheet 2 of 3

REFERENCE No **H13334**

PROJECT	Centenary Bridge Upgrade				
LOCATION	Brisbane River, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES 494748.40 E; 6955154.87 N	
PROJECT No	FG18012	SURFACE RL	-11.01m	PLUNGE	90°
				DATE STARTED	01/03/2019
				GRID DATUM	MGA94 56J
JOB No	498/05038	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	02/03/2019
				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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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REMARKS: Barge deck at 2.93 m AHD, 13.94m measured from barge deck to river bed

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BOREHOLE No **BH14**

Sheet 3 of 3

REFERENCE No **H13334**

PROJECT Centenary Bridge Upgrade

LOCATION Brisbane River, Jindalee, M5 Centenary Motorway, Jindalee to Kenmore COORDINATES 494748.40 E; 6955154.87 N

PROJECT No FG18012 SURFACE RL -11.01m PLUNGE 90° DATE STARTED 01/03/2019 GRID DATUM MGA94 56J

JOB No 498/05038 HEIGHT DATUM m AHD BEARING DATE COMPLETED 02/03/2019 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
	-31.71		100		METAGREYWACKE (DCf) FR: Continued.	SW	H	C	Is(50)=0.34 MPa	
21					Borehole completed at 20.70 m					
22										
23										
24										
25										
26										
27										
28										
29										

REMARKS: Barge deck at 2.93 m AHD, 13.94m measured from barge deck to river bed

LOGGED BY
E. Maxwell/M.
Hayes

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	1-2/03/2019
Borehole No.	BH14	Reference No.	H13334
Location	Brisbane River, Jindalee	Start Depth (m)	9.45
Submitted By	M. Hayes	Finish Depth (m)	20.70

