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GEOTECHNICAL AUGER BOREHOLE LOG

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

BOREHOLE No **Location 03**

Sheet 1 of 2

REFERENCE No **H13832**

PROJECT	M5 Centenary Bridge Upgrade - Northern Riverbank Geotechnical Investigation				
LOCATION	Brisbane River, 27 Vidgen Lane, Kenmore, M5 Centenary Bridge			COORDINATES 494742.11E; 6955213.54N	
PROJECT No	FG19080	SURFACE RL	1.25m	PLUNGE	90°
				DATE STARTED	04/12/2019
JOB No	498/05146	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	04/12/2019
				DRILLER	M. Hayes

DEPTH (m)	R.L. (m)	AUGER SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	GROUP SYMBOL / WEATHERING	Dynamic Cone Penetrometer (DCP) Blows Per 100mm				ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
						5	10	15	20		
0.50		A	silty CLAY (Alluvium) (Qa) brown, yellow-brown and orange-brown, moist, very soft to soft high plasticity, with fine grained sand, fine grained angular gravel and cobbles 63 mm to 150 mm. with trace root fibre. some of this unit it colluvial derived material (gravel and cobbles) gravel and cobble content tending toward 0%	(CH)						MC= 53.5% 0.3m: Su(FSV)= 28/9 kPa 0.4m: Su(PP)= 30-40 kPa	DIST
0.70	0.55	B	silty CLAY (Alluvium) (Qa) grey and brown, wet, very soft high plasticity at 1 m: grey, with organics (decomposed wood fibre)	CH						LL= 60% PI= 40% MC= 63% LS= 17% <75µm= 89% 0.9m: Su(PP)= 15 kPa 1m: Su(FSV)= 10/3 kPa 1.1m: Su(PP)= 20-25 kPa	DIST
1.50		C	at 1.5 m: 50 mm medium to coarse grained gravelly layer							MC= 74% 1.45m: Su(FSV)= 6.25/3 kPa 1.5m: Su(PP)= 20 kPa	DIST
1.60	-0.36	D	sandy CLAY (Alluvium) (Qa) grey, wet to saturated, very soft medium plasticity, fine grained sand fraction, with silt (driller comment - soil hand augers very easily, DCP results likely to be affected by clay friction on rods)							MC= 40.3%	DIST
2.00		E	at 2.1 m: firm to stiff at 2.3 m: with trace fine to medium grained angular argillite derived green-grey gravel at 2.5 m: very stiff at 2.7 m : becoming gravelly clay (mixture of alluvial clay and gravel colluvium or reworked argillite)	CI						LL= 35% PI= 17% MC= 38.9% LS= 6% <75µm= 77%	DIST
2.80	-1.56		ARGILLITE (Dcf) HW: green-grey, very low strength, recovered material with soil properties of clayey fine to coarse	HW							

REMARKS Groundwater seepage encountered at 1.5 m depth
Ground surface at bore location below high tide mark

LOGGED BY

REVIEWED BY

M. Hayes

S. Foley



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GEOTECHNICAL AUGER BOREHOLE LOG

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REFER TO TMR FORM F:GEOT 017/10 - 2019

BOREHOLE No **Location 03**

Sheet 2 of 2

REFERENCE No **H13832**

PROJECT M5 Centenary Bridge Upgrade - Northern Riverbank Geotechnical Investigation

LOCATION Brisbane River, 27 Vidgen Lane, Kenmore, M5 Centenary Bridge

COORDINATES 494742.11E; 6955213.54N

PROJECT No FG19080

SURFACE RL 1.25m

PLUNGE 90°

DATE STARTED 04/12/2019

GRID DATUM WGS84 UTM 56J

JOB No 498/05146

HEIGHT DATUM m AHD

BEARING

DATE COMPLETED 04/12/2019

DRILLER M. Hayes

DEPTH (m)	R.L. (m)	AUGER SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	GROUP SYMBOL / WEATHERING	Dynamic Cone Penetrometer (DCP) Blows Per 100mm				ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
						5	10	15	20		
3.00	-1.76		ARGILLITE (Dcf) HW: green-grey, very low strength, recovered material with soil properties of clayey fine to coarse grained angular gravel at 2.9 m: low strength Borehole completed at 3.00 m.								
3.50											
4.00											
4.50											
5.00											
5.50											

REMARKS Groundwater seepage encountered at 1.5 m depth
Ground surface at bore location below high tide mark

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