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**Queensland
Government**

GEOTECHNICAL AUGER BOREHOLE LOG

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

BOREHOLE No **Location 06**

Sheet 1 of 1

REFERENCE No **H13835**

PROJECT	M5 Centenary Bridge Upgrade - Northern Riverbank Geotechnical Investigation				
LOCATION	Brisbane River, 27 Vidgen Lane, Kenmore, M5 Centenary Bridge			COORDINATES 494756.88E; 6955213.56N	
PROJECT No	FG19080	SURFACE RL	1.21m	PLUNGE	90°
				DATE STARTED	10/12/2019
JOB No	498/05146	HEIGHT DATUM	m AHD	BEARING	
				DATE COMPLETED	10/12/2019
				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		
		A	sandy CLAY (Alluvium) brown and orange-brown, moist, very soft high plasticity, fine grained sand fraction, with silt, with trace root fibre at 0.15 m: with fine grained angular gravel (colluvial horizon)		CH					0.05m: Su(FSV)= 25/10 kPa 0.15m: Su(FSV)= 38/14 kPa 0.2m: Su(PP)= 15-25 kPa MC= 53%	DIST
		B								LL= 55% PI= 36%	DIST
0.45 0.50	0.76	C	silty CLAY (Alluvium) grey, moist to wet, very soft high plasticity, with some dark grey organics (wood fibre) some fine to medium grained sandy clay layers at 0.6 m: stiff to very stiff		CH					0.65m: Su(FSV)= 22/8 kPa 0.7m: Su(PP)= 15-20 kPa LL= 63% PI= 40%	DIST
0.80	0.41	D	silty CLAY (Alluvium) grey, wet, firm to stiff low to medium plasticity, with trace fine to medium grained sand		CI					0.9m: Su(PP)= 20-25 kPa LL= 35% PI= 18%	DIST
0.95 1.00	0.26 0.21		gravelly CLAY (Alluvium) grey and green-grey, moist, firm high plasticity, fine to medium grained angular gravel fraction (possible colluvium) ARGILLITE (Dcf) HW: green-grey, very low strength at 1.05 m: low strength		(CH) HW						
1.10	0.11		Borehole completed at 1.10 m.								
1.50											
2.00											
2.50											

REMARKS Groundwater seepage at 0.8 m depth, no standing groundwater at bore completion
Ground surface at bore location below high tide mark

LOGGED BY

REVIEWED BY

M. Hayes

S. Foley