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Queensland
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GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH-4**

Sheet 1 of 1

REFERENCE No **H13014**

PROJECT Manly Harbour Dredging - Geotechnical Investigation
 LOCATION Manly Harbour Entrance Channel COORDINATES 519061.6 E; 6963614.6 N
 PROJECT No FG6549 SURFACE RL _____ PLUNGE 90° DATE STARTED 13/02/2018 GRID DATUM MGA94 Zone 56
 JOB No _____ HEIGHT DATUM _____ BEARING ° _____ DATE COMPLETED 13/02/2018 DRILLER Geodrill

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH											DEFECT SPACING											ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								INTACT STRENGTH											DEFECT SPACING												
								EH	VH	H	M	J	VI	EU	EC	VC	C	M	W	VW	EW	EC	VC	C	M	W	VW	EW			
0			(14)		Marine Sediments BASALT (Tpb) HW: Grey, brown grey and orange brown, fine grained, porphyritic, mainly very low to low strength with some medium strength zones. Locally iron stained. -Js: <10° (~10/m), PI-Un/Ro, TI-FL, Cly Vr or Ct <2mm, some FeSt -Js: 40°-50° (<1/m), PI-Un/Ro, TI, Cly Vr or Ct <2mm			[Strength bars: LM, VC, M, C, VL-L, VC, L, VC, L, VC, M, VC]											[Defect bars: 1.68m-1.83m: BZ, Cly; 2.07m-2.25m: BZ; 2.55m-2.83m: XW, Cly BZ; 3.46m-3.75m: XW, Cly]											Is(50)=0.42 MPa Is(50)=0.43 MPa	D (0.15m) A (0.16m)
1			100 (0)			HW																									
2				CORE LOSS																											
3			81 (0)			XW																									
3.4						HW																									
3.5						XW																									
3.6			100		Borehole completed at 3.90m	HW																								Is(50)=0.28 MPa Is(50)=0.13 MPa	D (3.40m) A (3.42m)
4																															
5																															
6																															
7																															
8																															
9																															

REMARKS: Co-ordinates from hand held GPS. Tpb - Petrie Formation

LOGGED BY	REVIEWED BY
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