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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH-1A**

Sheet 1 of 1

REFERENCE No **H13010**

PROJECT	Manly Harbour Dredging - Geotechnical Investigation				
LOCATION	Manly Harbour Entrance Channel		COORDINATES 519188.3 E; 6963695.8 N		
PROJECT No	FG6549	SURFACE RL	PLUNGE 90°	DATE STARTED 16/02/2018	GRID DATUM MGA94 Zone 56
JOB No		HEIGHT DATUM	BEARING °	DATE COMPLETED 16/02/2018	DRILLER Geodrill

DEPTH (m)	R.L. (m)	FOUGER 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			
												EH	VH	H
0			(0)		Marine Sediments									
0.73			100		BASALT (Tpb) HW: Pale brown grey with some red brown, fine grained, porphyritic, mainly very low strength.	XW				Is(50)=0.05 MPa Is(50)=0.04 MPa	D (0.73m) A (0.74m)			
1.15			(0)		Locally iron stained. XW Clayey zones throughout.	HW				Is(50)=0.14 MPa Is(50)=0.22 MPa	D (1.15m) A (1.16m)			
2.43					-Js: 5°-10° (~10/m), Pl/Sm-Ro, Cly, FeSt -Js: 30°-40° (2-3/m), Pl/Ro-Sm, TI-CL, some FeSt, Cly.	HW				Is(50)=0.01 MPa Is(50)=0.10 MPa	D (2.43m) A (2.44m)			
3.15			67			XW								
3.16			(0)			HW				Is(50)=0.01 MPa Is(50)=0.02 MPa Is(50)=0.05 MPa	D (3.15m) A (3.16m)			
3.27			100			HW					A (3.27m)			
Borehole completed at 3.50m														

2.60m-2.69m: HW
2.80m-2.86m: HW
2.91m-2.94m: HW

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