



Borehole log

BH-015

Sheet 1 of 1

Project	Macquarie Point GI	Location	Macquarie Point	Client	MPDC
Coordinates	527567.56mE; 5252514.03mN	Drill type	Sonic	Hole started	17/5/24
Datum	GDA2020	Drill rig	MRS XL Max	Hole finished	17/5/24
RL	4.30mAH	Drill fluid(s)	Water (where indicated)	Drilled by	SWD (G. Bourke)
Inclination	Vertical	Logged by	W. Cromer	Checked by	G. Bremner
Bearing					

Method	Penet. resist	Water	Notes	metres	Recovery (%)	Graphic log	USCS	Materials	Moisture condition	Consistency	Structure, geology, interpretation, additional observations
			Samples and field tests	RLmAH	Depth			Soil type, colour, plasticity or particle characteristics, secondary and minor components		Density index	
Sonic				4	100		SP	Gravelly silty SAND: light greenish grey; 10% dolerite fragments to 20mm	D	MD	Fill
			ASS 0.4 - 0.5m	0.45m	100		GM	Sandy SILT - silty SAND: light grey; 20-30% angular dolerite clasts to 50mm			
			ASS 0.9 - 1.0m	0.9m	100		SM	Sandy gravelly SILT: black; occasional cream siltstone clasts to 30mm		L, VS	
			ASS 1.4 - 1.5m	1.9m	100		SP	Silty SAND: reddish orange; 5% well graded brick fragments mostly to 10mm, occasionally to 50mm; some low plasticity clayey sand near base		L	
			SPT 6, 4, 3 N=7 Recovery: 350/450	1.9m							
			ASS 2.0 - 2.1m	2.2m	100		SM	Sandy gravelly SILT: black; occasional orange-red brick fragments to 50mm	D-M	VS	(Ash and cinders)
			ASS 2.5 - 2.6m	2.65m	100		SP, loc.	Gravelly SAND: dark grey; some silt; trace clay; locally with 20 - 30% well graded subrounded dolerite clasts to 75mm	M	MD	
			SPT 6, 16, 21 N=37 Recovery: 340/450	3.0m							
			ASS 3.4 - 3.5m	3.5m	100		SP	SAND: dark grey - black; fine-med, grained; some silt			
			Aggress 3.7- 3.8m	3.7m							
			ASS 4.0 - 4.1m	4.0m							
			ASS 4.5 - 4.6m	4.5m	100		SP	AS ABOVE: trace silt and fine red brick fragments, 1 piece leather, 1 piece porcelain, 1 piece wood (10cms); occasional rounded white quartzite pebbles to 10mm			
			ASS 5.0 - 5.1m	5.0m	100		SP	SAND: black grading to dark olive grey; med grained; occasional rounded white quartzite pebbles to 10mm; some fine white shell at base			Estuarine sediments
			ASS 5.5 - 5.6m	5.5m	100		SP	SAND: black grading to dark olive grey; med grained; occasional rounded white quartzite pebbles to 10mm; some fine white shell at base			Estuarine sediments
			PSD 5.8 - 5.9m	5.8m							
		SPT R @ 6.3m on rock	6.3m								
		6 - 7m: hard sonic drilling; material mostly pulverised	6.3m								
		7 - 8.2m: water used; matrix flushed out	7.0m	75		GP	COBBLES: grey blue; well-mod. graded, subrounded, mod. weathered (some spheroidally) dolerite clasts to 100mm		W		
			8.0m								
			8.2m	75		GP	Sandy silty GRAVEL: light yellowish brown; matrix is doleritic sand and fine gravel flecked with white/cream; 30% mod. graded, subrounded, mod. weathered dolerite clasts to 30mm		D		
			9.0m								
		10.1m: sonic barrel jammed in "hard rock"; vibrated out; core lost.	9.1m								
			9.25m								
			10								

EOH 10.1mbg

Consistency (silt, clay, sandy clay, silty clay) VS = Very soft (<25kPa; exudes in fingers when squeezed); S = Soft (25-50kPa; easily penetrated by fist); F = Firm (50-100kPa; easily penetrated by thumb); St = Stiff (100-200kPa; indented by thumb, penetrated with difficulty); VS= Very Stiff (200-400kPa; easily penetrated by thumbnail); H = Hard (>400kPa; indented by thumbnail with difficulty); Fb = Friable (crumbles or powders when scraped by thumbnail)
Relative density (sand and gravel) VL = Very loose (ravelling); L = Loose (easy shovelling); MD = Medium dense (hard shovelling); D = Dense (picking); VD = Very dense (hard picking)



PointID: BH-015 Depth Range: 0.0 – 2.0 m



TITLE

MPDC
Macquarie Point
Macquarie Point GI
Core Photo – BH-015

DRAWN	WCC	DATE	29/5/24
CHECKED		DATE	
SCALE	Not to Scale		A4
PROJECT No.	PS212776	FIGURE No.	1/5

MAC POINT
 Macquarie Point
 Geotechnical Investigation

WILLIAM C. CROMER P/L

BH ID: BH015
 Depth: 2-4m
 Core Tray No.:
 Date: 17/05/24



X Chalk marks denotes handling breaks



PointID: BH-015 Depth Range: 2.0 – 4.0 m



TITLE

MPDC
 Macquarie Point
 Macquarie Point GI
 Core Photo – BH-015

DRAWN	WCC	DATE	29/5/24
CHECKED		DATE	
SCALE	Not to Scale		A4
PROJECT No.	PS212776	FIGURE No.	2/5

MAC POINT Macquarie Point Geotechnical Investigation
 WILLIAM C. CROMER P/L

BH ID: BH015
 Depth: 4 - 6m
 Core Tray No.:
 Date: 17/05/24



X Chalk marks denotes handling breaks



PointID: BH-015 Depth Range: 4.0 – 6.0 m



TITLE
 MPDC
 Macquarie Point
 Macquarie Point GI
 Core Photo – BH-015

DRAWN WCC	DATE 29/5/24
CHECKED	DATE
SCALE Not to Scale	A4
PROJECT No. PS212776	FIGURE No. 3/5

MAC POINT Macquarie Point Geotechnical Investigation

WILLIAM C. CROMER P/L


BH ID: BH015
 Depth: 6-8m
 Core Tray No.:
 Date: 17/05/24



X Chalk marks denotes handling breaks



PointID: BH-015 Depth Range: 6.0 – 8.0 m

	TITLE	
	MPDC Macquarie Point Macquarie Point GI Core Photo – BH-015	
	DRAWN WCC	DATE 29/5/24
	CHECKED	DATE
SCALE Not to Scale		A4
PROJECT No. PS212776	FIGURE No. 4/5	



Macquarie Point
Geotechnical Investigation

WILLIAM C. CROMER P/L

BH ID: BH015
Depth: 8-10.1m
Core Tray No.:
Date: 17/05/24



✗ Chalk marks denotes handling breaks



PointID: BH-015 Depth Range: 8.0 – 10.1 m EOH



TITLE

MPDC
Macquarie Point
Macquarie Point GI
Core Photo – BH-015

DRAWN

WCC

DATE

29/5/24

CHECKED

DATE

SCALE

Not to Scale

A4

PROJECT No.

PS212776

FIGURE No.

5/5