

Appendix F

Geotechnical logs and photographs


SOIL LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Rosny Parklands Rosny Parklands

LOCATION No. BH01

SHEET 1 OF 1

Position : 52986.1 E, 5254136.3 N \ **Surface RL :** 20.54m **Angle from Horiz. :** 90° **Processed :** AOK
Contractor : South Western Drilling **Rig Type :** Comacchio Geo 405 **Checked :** ASH
Date Started : 22 May 24 **Date Completed :** 22 May 24 **Logged by :** OP/JN **Date :** 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations In situ test results	SCALE (m)
1	Solid Flight Auger				0.10 (20.44)		TOPSOIL: SILT, trace sand, low plasticity, dark-brown, sand is fine grained, rootlets, w<PL	ML	M	S	U63 U63 (0.5-0.7m) SPT1 SPT1 (0.7m): 7/22/10*, N=R, Refusal after 370mm Recovery = 370mm		1
							CLAY, trace sand, high plasticity, brown, sand is fine grained, w<PL, [Residual Soil]	CH	D-M	H			
					0.85 (19.69)		SILT with sand, low plasticity, cream, sand is fine grained, w<PL [XW Dolerite]	ML	D	H			
1.00 (19.54)						Becoming gravelly, gravel is fine to medium, subangular to subrounded HW, Dolerite						2	
2					2.00		Start of coring at 2 metres. See Core Log Sheet for cored interval.						2
3													3
4													4
5													5

GEO SOIL BOREHOLE LOG SHEET_12626209.GPJ_GHD_GEO_TEMPLATE_TASMANIA.GDT_18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH01	
Project : AFL Training Facility and High Performance Centre		
Location : Rosny Parklands Rosny Parklands	SHEET 1 OF 2	
Position : 52986.1 E, 5254136.3 N \	Surface RL : 20.54m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK
Date Started : 22 May 24	Date Completed : 22 May 24	Logged by : OP/JN
		Date : 18 Jul 24

DRILLING				MATERIAL						ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1														
2				2.00 (18.54)	X	Start of coring at 2 metres. See Soil Log Sheet for soil interval. CORE LOSS = 200mm								
		1		2.20 (18.34)	X	DOLERITE, orange-brown, mottled cream, medium grained, Fe staining, healed defects throughout	HW	L - M		90			Is(50)	
				2.70 (17.84)	X	CORE LOSS = 200mm								
3		2		2.90 (17.64)	X	DOLERITE, orange-brown, mottled cream, medium grained, Fe staining, healed defects throughout	HW	L - M		100			Is(50)	
				4.85 (14.69)	X	CORE LOSS = 50mm								
				4.85 (15.64)	X	CORE LOSS = 400mm								

GEO CORE LOG SHEET 12626209.GPJ_GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH01	
Project : AFL Training Facility and High Performance Centre		
Location : Rosny Parklands Rosny Parklands	SHEET 2 OF 2	
Position : 52986.1 E, 5254136.3 N \	Surface RL : 20.54m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK
Date Started : 22 May 24	Date Completed : 22 May 24	Logged by : OP/JN
		Date : 18 Jul 24

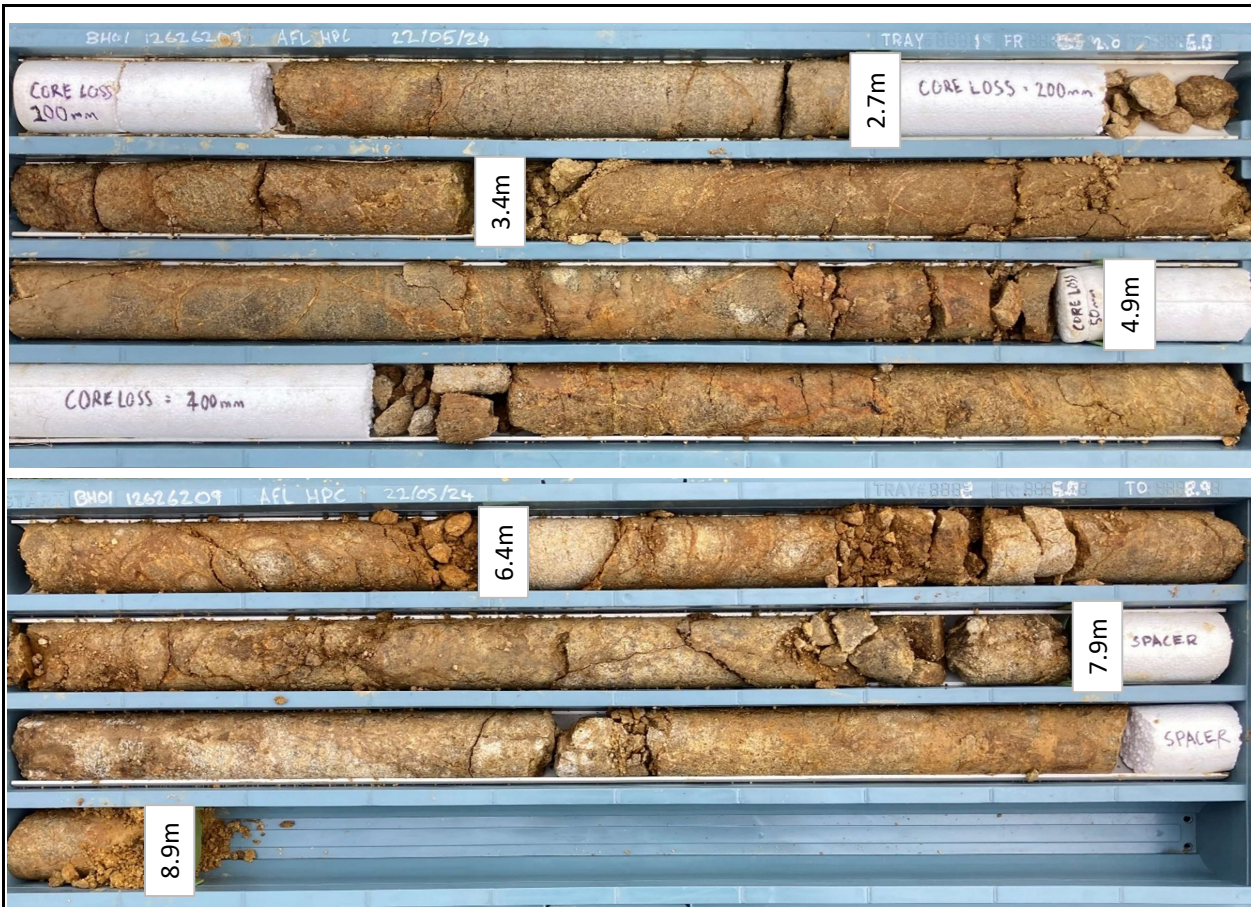
DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
6		4		5.30 (15.24)	X	DOLERITE, orange-brown, medium grained, Fe staining, healed defects throughout	HW	M	100			Is(50)	4.85m: Jt, 10°, Un, Rf, Fe Sn Is(50) (5.3m) = 0.32 MPa 5.40m: Jt, 80°, Pln, Rf, Fe Sn 5.89m: Jt, 60°, Vn, Rf, Fe Sn 6.18m: Jt, 50°, Un, Rf, Fe Sn	6
7	HQ Coring	5		6.70 (13.84) 6.80 (13.74)	- - - - -	6.7-6.8: Silty GRAVEL, trace sand, fine to coarse, subangular, orange-brown, silt is low plasticity, sand is medium to coarse grained (XW zone)	XW HW	Soil M	29			Is(50)	Is(50) (6.4m) = 0.38 MPa 6.47m: Jt, 40°, Pln, Rf, Fe Sn 6.53m: Jt, 30°, Pln, Rf, Fe Sn 6.7m: Jt, 20°, Pln, Rf, Fe Sn 6.75m: Jt, 70°, Un, Rf, Silt (XW) 6.83m: Jt, 90°, Cu, Rf, Fe Sn 6.92m: Jt, 80°, Un, Rf, Fe Sn 7.09m: Jt, 30°, Pln, Rf, Fe Sn 7.2m: Jt, 70°, Un, Rf, Fe Sn 7.28m: Jt, 90°, Cu, Rf, Fe Sn 7.51m: Jt, 80°, Pln, Rf, Fe Sn - dist 7.6m: Jt, 60°, Pln, Rf, Fe Sn 7.65m: Jt, 60°, Pln, Rf, Fe Sn 7.69m: Jt, 30°, Pln, Rf, Fe Sn Is(50) (7.7m) = 0.65 MPa	7
8		6			- - - - -				85			Is(50)	8.3m: Jt, 20°, Pln, Rf 8.35m: Jt, 45°, LR, Rf, Fe Sn Is(50) (8.4m) = 0.51 MPa	8
9				8.90 (11.64)	-	EOH @ 8.9m Target depth reached End of hole at 8.9 metres.							8.8m: Jt, 15°, Un, Rf, Fe Sn 8.85m: Jt, 60°, Un, Rf, Silt (XW) Soil cased upon completion. Gatic cover installed for protection.	9

GEO CORE LOG SHEET 12626209.GPJ_GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209



GHD Pty Ltd

2 Salamanca Square Hobart TAS 7000

Job Number
12626209

A4

Title
Rosny Parkland
Photographic Record

Client
Department of State Growth

BH01


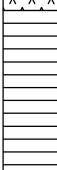
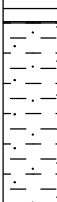

SOIL LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Rosny Parklands Rosny Parklands

LOCATION No. BH02

SHEET 1 OF 1

Position : 529902.0 E, 5254284.1 N \ **Surface RL :** 25.44m **Angle from Horiz. :** 90° **Processed :** AOK
Contractor : South Western Drilling **Rig Type :** Comacchio Geo 405 **Checked :** ASH
Date Started : 22 May 24 **Date Completed :** 23 May 24 **Logged by :** OP/JN **Date :** 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA					
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations In situ test results	SCALE (m)	
1	Solid Flight Auger				0.20 (25.24)		TOPSOIL: SILT, trace sand, low plasticity, dark-brown, sand is fine grained, rootlets, w~PL	ML	D-M	L	U63	U63 @ (0.5-0.9m)	1	
							CLAY, trace sand, high plasticity, sand is fine grained, brown, w<PL [Residual Soil]	CH	D-M	H				
					0.80 (24.64)		Sandy SILT, low plasticity, orange-brown, sand is fine grained, w<PL, [XW Dolerite]	ML	D	SPT				SPT @ 0.9m = 4/17/26, N = 43 Recovery = 450mm
					1.50 (23.94) 1.60		Becoming gravelly, gravel is fine to medium, sand is fine to coarse grained.							
2						Start of coring at 1.6 metres. See Core Log Sheet for cored interval.						2		
3													3	
4													4	
5													5	

GEO SOIL BOREHOLE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH02	
Project : AFL Training Facility and High Performance Centre		
Location : Rosny Parklands Rosny Parklands	SHEET 1 OF 2	
Position : 529902.0 E, 5254284.1 N \	Surface RL : 25.44m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK
Date Started : 22 May 24	Date Completed : 23 May 24	Logged by : OP/JN
		Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
						Start of coring at 1.6 metres. See Soil Log Sheet for soil interval.								
				1.60 (23.84)		1.6 - 1.75m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam	MW	VH	40					
				1.75 (23.69)		DOLERITE, blue-grey, massive	SW	VH - EH					7.76m: Jt, 70°, PLN, Rf, Fe Sn 7.78m: Jt, 70°, Pln, Rf, Fe Sn (healed)	
				2.06 (23.38)		2.06 - 2.2m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam	MW						2.02m: Jt, 50°, Pln, Rf, Fe Sn 2.04m: Jt, 50°, Pln, Rf, Fe Sn 2.06m: Jt, 50°, Pln, Rf, Fe Sn	
				2.20 (23.24)		CORE LOSS = 500mm			0					
				2.70 (22.74)		DOLERITE, grey-brown, Fe Sn, highly fractured	MW	VH					2.95m: Jt, 10°, Pln, Rf, Fe Sn 3.05m: Jt, 80°, Pln, Rf, Fe Sn	
				3.10 (22.34)		3.1 - 3.4m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam			0				3.4m: Jt, 10°, Pln, Rf, Fe Sn 3.44m: Jt, 40°, Un, Rf, Fe Sn 3.48m: Jt, 30°, Pln, Rf, Fe Sn 3.50m: Jt, 20°, Sandy Clay, 20mm, low Fe 3.60m: Jt, 0°, Pln, Rf, Fe Sn 3.65m: Jt, 45°, Un, Rf, Fe Sn 3.68-3.75m: 3x Jt's, 10°, Pln, Fe @ 20mm spacing 3.75m: Jt, 80°, Pln, Rf, Fe Sn	
				3.90 (21.54)		3.9 - 4.2m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam	MW - HW		0					
				4.20 (21.24)		orange-brown	HW	L - M						
				4.30 (21.14)		Sandy GRAVEL, fine to medium, subangular, orange-brown, sand is fine to coarse grained, potential	XW	Soil					4.3m: Jt, 20°, clay, 5mm, Fe Sn, Pln	
				4.40 (21.04)		WSm [XW Dolerite] DOLERITE, grey-brown, Fe Sn	MW	H					4.5m: Jt, 20°, Pln, Rf, Fe Sn	
				4.70 (20.74)		4.7 - 5.0m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam			19				Is(50) Is(50) (4.6m) = 2.61 MPa 4.61m: Jt, 0°, Pln, Rf, Fe Sn	
				5.00										

GEO CORE LOG SHEET 12626209.GPJ GHD_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Rosny Parklands Rosny Parklands

LOCATION No. BH02

SHEET 2 OF 2

Position : 529902.0 E, 5254284.1 N \ **Surface RL :** 25.44m **Angle from Horiz. :** 90° **Processed :** AOK

Contractor : South Western Drilling **Rig Type :** Comacchio Geo 405 **Checked :** ASH

Date Started : 22 May 24 **Date Completed :** 23 May 24 **Logged by :** OP/JN **Date :** 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
				(20.44) 5.10 (20.34)		orange-brown highly fractured, grey-brown, trace blue-grey, Fe Sn	MW - HW MW	H H-VH					5.1m: Jt, 0°, Pln, Rf, Fe Sn 5.13m: Jt, 0°, Pln, Rf, Fe Sn 5.28m: Jt, 85°, Pln, Rf, Fe Sn Is(50) (5.3m) = 3.70 MPa 5.35m: Jt, 50°, Un, Rf, Fe Sn 5.4m: Jt, 10°, Pln, Rf, Fe	
		5		5.50 (19.94)		5.5 - 5.85m: Fractured zone, angular fragments		VH		0			5.6m: Jt, 0°, Pln, Rf, Fe Sn 5.88m: Jt, 70°, Pln, Rf, Fe Sn 5.89m: Jt, 30°, Pln, Rf, Fe Sn 5.92m: Jt, 20°, Pln, Rf, Fe Sn 5.95m: Jt, 30°, Pln, Rf, Fe Sn 6.0m: Jt, 90°, Cu, Fe Sn, Rf Is(50) (6.0m) = 8.11 MPa 6.02m: Jt, 30°, Pln, Rf, Fe Sn 6.04m: Jt, 0°, Un, Rf, Fe Sn 6.08m: Jt, 50°, Un, Rf, Fe Sn 6.10m: Jt, 20°, Un, Rf, Fe Sn 6.15m: Jt, 20°, Pln, Silt, Fe Sn 6.20m: Jt, 0°, Pln, Rf, Fe Sn Is(50) (6.5m) = 3.4 MPa 6.6m: Jt, 0°, Un, Rf, Fe Sn 6.67m: Jt, 70°, Pln, Rf, Fe Sn 6.71m: Jt, 10°, Pln, Rf, Fe Sn 6.77m: Jt, 10°, Pln, Rf, Fe Sn	
		6		6.30 (19.14)		less fractured, healed defects throughout	MW	VH		66			5.88m: Jt, 70°, Pln, Rf, Fe Sn 5.89m: Jt, 30°, Pln, Rf, Fe Sn 5.92m: Jt, 20°, Pln, Rf, Fe Sn 5.95m: Jt, 30°, Pln, Rf, Fe Sn 6.0m: Jt, 90°, Cu, Fe Sn, Rf Is(50) (6.0m) = 8.11 MPa 6.02m: Jt, 30°, Pln, Rf, Fe Sn 6.04m: Jt, 0°, Un, Rf, Fe Sn 6.08m: Jt, 50°, Un, Rf, Fe Sn 6.10m: Jt, 20°, Un, Rf, Fe Sn 6.15m: Jt, 20°, Pln, Silt, Fe Sn 6.20m: Jt, 0°, Pln, Rf, Fe Sn Is(50) (6.5m) = 3.4 MPa 6.6m: Jt, 0°, Un, Rf, Fe Sn 6.67m: Jt, 70°, Pln, Rf, Fe Sn 6.71m: Jt, 10°, Pln, Rf, Fe Sn 6.77m: Jt, 10°, Pln, Rf, Fe Sn	
		7		7.30 (18.14)		orange-brown		H					7.1m: Jt, 10°, Pln, Rf, Fe Sn 7.18m: Jt, 30°, Pln, Rf, Fe Sn 7.28m: Jt, 30°, Pln, Rf, Fe Sn Is(50) (7.3m) = 2.17 MPa 7.37m: Jt, 10°, Pln, Rf, Fe Sn	
		7		7.30 (18.14)		orange-brown		H					7.1m: Jt, 10°, Pln, Rf, Fe Sn 7.18m: Jt, 30°, Pln, Rf, Fe Sn 7.28m: Jt, 30°, Pln, Rf, Fe Sn Is(50) (7.3m) = 2.17 MPa 7.37m: Jt, 10°, Pln, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20°, Un, Rf, Fe Sn 8.33m: Jt, 10°, Un, Rf, Fe Sn	
		8		8.50 (16.94)		HW zone, orange-brown	HW MW	M H		60			7.88m: Jt, 10°, Un, Rf, Fe Sn Is(50) (7.95m) = 1.44 MPa 8.02m: Jt, 20°, Un, Rf, Fe Sn 8.16m: Jt, 20	

SPT1 (0.9 - 1.35), N* = 43, 350 mm recovered



GHD Pty Ltd

2 Salamanca Square Hobart TAS 7000

Job Number
12626209

A4

Title
Rosny Parkland
Photographic Record

Client

Department of State Growth

BH02

SOIL LOG SHEET

Client : Department of State Growth	LOCATION No. BH03	
Project : AFL Training Facility and High Performance Centre		
Location : Rosny Parklands Rosny Parklands	SHEET 1 OF 1	
Position : 530029.1 E, 5254328.2 N \	Surface RL : 24.95m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK
Date Started : 12 Jun 24	Date Completed : 12 Jun 24	Checked : ASH
	Logged by : OP	Date : 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Solid Flight Auger				0.30 (24.65)		TOPSOIL: CLAY with sand, trace gravel, grey-brown, sand is fine to coarse grained, gravel is fine to medium, subangular, w<PL	CI	D-M	St			
					1.70		Clayey GRAVEL with sand, fine to medium, subangular, grey-brown, clay is medium plasticity, sand is fine to coarse grained [XW Dolerite]	GC	D-M	D		SPT SPT @ 1.0m = 2/18*/-, N=R after 280mm Recovery = 280mm (Bouncing) Auger grinding on XW dolerite material. SPT SPT @ 1.5m = 5/20*/- N=R after 230mm Recovery = 230mm Bouncing	
							Start of coring at 1.7 metres. See Core Log Sheet for cored interval.						

GEO SOIL BOREHOLE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH03		
Project : AFL Training Facility and High Performance Centre	SHEET 1 OF 2		
Location : Rosny Parklands Rosny Parklands	Position : 530029.1 E, 5254328.2 N \	Surface RL : 24.95m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK	Checked : ASH
Date Started : 12 Jun 24	Date Completed : 12 Jun 24	Logged by : OP	Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1						Start of coring at 1.7 metres. See Soil Log Sheet for soil interval. CORE LOSS = 200mm								1
2		1		1.70 (23.25)	X									2
		2		1.90 (23.05) 2.00 (22.95)	X	1.9 - 2.0m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam DOLERITE, grey-brown, Fe Sn, highly fractured	MW		0				2.08m: Jt, 70°, Pln, Rf, Fe Sn 2.12m: Jt, 10°, Pln, Rf, Fe Sn 2.21m: Jt, 40°, Pln, Rf, Fe Sn 2.26m: Jt, 60°, Pln, Rf, Fe Sn 2.3m: Jt, 0°, Pln, Rf, Fe Sn 2.39m: Jt, 20°, Pln, Rf, Fe Sn 2.44m: Jt, 0°, Cu, Pln, Rf, Fe Sn	2
		3			X				0				2.65m: Jt, 70°, Pln, Rf, Fe Sn, 500mm 2.66m: Jt, 0°, Cu, Rf, Fe Sn 2.71m: Jt, 60°, Pln, Rf, Fe Sn 2.74m: Jt, 30°, Pln, Rf, Fe Sn 2.84m: Jt, 30°, Un, Rf, Fe Sn	3
		4			X				0				3.1m: Jt, 10°, Pln, Rf, Fe Sn 3.15m: Jt, 10°, Pln, Rf, Fe Sn 3.2m: Jt, 10°, Pln, Rf, Fe Sn 3.28m: Jt, 10°, Pln, Rf, Fe Sn 3.35m: Jt, 80°, Pln, Rf, Fe Sn, 300mm 3.4m: Jt, 80°, Pln, Rf, Fe Sn, 200mm	3
		5		3.50 (21.45) 3.70 (21.25)	X	3.5 - 3.7m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam orange-brown, trace grey	HW		0				3.7m: Jt, 10°, Pln, Rf, Fe Sn 3.81m: Jt, 10°, Pln, Rf, Fe Sn, silt ~20mm 3.93m: Jt, 10°, Pln, Rf, Fe Sn 3.98m: Jt, 10°, Pln, Rf, Fe Sn Is(50) (4.0m) = 0.62 MPa 4.03m: Jt, 10°, Pln, Rf, Fe Sn 4.11m: Jt, 60°, Cu, Rf, Fe Sn 4.16m: Jt, 10°, Pln, Rf, Fe Sn	4
		6		3.98 (20.97) 4.20 (20.75)	X	3.98 - 4.03m: Highly fractured zone, recovered as gravel sized fragments, potential crushed seam 4.2 - 4.4m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam	M		0				4.42m: Jt, 10°, Pln, Rf, Fe Sn 4.48m: Jt, 80°, Pln, Rf, Fe Sn, 200mm 4.53m: Jt, 10°, Pln, Rf, Fe Sn 4.56m: Jt, 80°, Pln, Rf, Fe Sn, 100mm 4.6m: Jt, 20°, Pln, Rf, Fe Sn 4.64m: Jt, 20°, Pln, Rf, Fe Sn	4
		7		4.55 (20.40) 4.80 (20.15) 4.90 (20.05)	X	4.55 - 4.6m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam CORE LOSS = 100mm DOLERITE, orange-brown, Fe Sn	HW -		50				Is(50) (4.9m) = 0.31 MPa	5

GEO CORE LOG SHEET 12626209.GPJ_GHD_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Rosny Parklands Rosny Parklands

LOCATION No. BH03

SHEET 2 OF 2

Position : 530029.1 E, 5254328.2 N \ **Surface RL :** 24.95m **Angle from Horiz. :** 90° **Processed :** AOK

Contractor : South Western Drilling **Rig Type :** Comacchio Geo 405 **Checked :** ASH

Date Started : 12 Jun 24 **Date Completed :** 12 Jun 24 **Logged by :** OP **Date :** 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		7		5.60 (19.35)		CORE LOSS = 300mm	MW						4.96m: Jt, 10°, Pln, Rf, Fe Sn	
		8		5.90 (19.05)		CORE LOSS = 150mm						Is(50)	5.15m: Jt, 80°, Pln, Rf, Fe Sn, 300mm 5.19m: Jt, 10°, Pln, Rf, Fe Sn 5.28m: Jt, 10°, Pln, Rf, Fe Sn 5.40m: Jt, 10°, Pln, RC, Fe Sn 5.42m: Jt, 10°, Pln, Rd, Fe Sn 5.46m: Jt, 30°, Cu, Rf, Fe Sn Is(50) (5.5m) = 0.7 MPa	
6		9		6.05 (18.90)		6.05 - 6.25m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam	HW	M		0				6
				6.25 (18.70)		DOLERITE, orange-brown, Fe Sn, highly fractured				17		Is(50)	6.25m: Jt, 0°, Pln, Rf, Fe Sn 6.30m: Jt, 0°, Pln, Rf, Fe Sn Is(50) (6.3m) = 0.54 MPa 6.32m: Jt, 10°, Pln, Rf, Fe Sn 6.35m: Jt, 10°, Pln, Rf, Fe Sn 6.37m: Jt, 10°, Pln, Rf, Fe Sn 6.4m: Jt, 10°, Pln, Rf, Fe Sn 6.44m: Jt, 10°, Pln, Rf, Fe Sn, Ca 6.47m: Jt, 10°, Pln, Rf, Fe Sn, Ca 6.57m: Jt, 10°, Cu, Rf, Fe Sn 6.65m: Jt, 0°, Pln, Rf, Fe Sn 6.7m: Jt, 10°, Pln, Rf, Fe Sn Is(50) (6.7m) = 1.53 MPa 6.85m: Jt, 70°, Pln, Rf, Fe Sn, Ca 6.98m: Jt, 10°, Pln, Rf, Fe Sn, Ca	
	HQ Coring	10		6.70 (18.25)		grey-brown, Fe Sn, healed defects throughout	MW	H				Is(50)		7
				7.20 (17.75)		orange-brown, highly fractured	HW	M					7.23m: Jt, 90°, Cu, Rf, Fe Sn 7.45m: Jt, 80°, Cu, Rf, Fe Sn, 400mm 7.65m: Jt, 70°, Cu, Rf, Fe Sn	
				7.90 (17.05)		grey-brown, Fe Sn, trace blue-grey	MW	VH		74		Is(50)	7.87m: Jt, 10°, Pln, Rf, Fe Sn 7.9m: Jt, 0°, Pln, Rf, Fe Sn	8
		11		8.40 (16.55)		EOH @ 8.4m - target depth reached. Standpipe installed upon completion. End of hole at 8.4 metres.						Is(50)	Is(50) (8.1m) = 2.86 MPa 8.11m: Jt, 0°, Pln, Rf, Fe Sn, Ca 8.15m: Jt, 0°, Pln, Rf, Fe Sn Ca 8.32m: Jt, 0°, Cu, Rf, Fe Sn, Ca	
													Standpipe Construction Details (mBGL): 0.0 - 0.3m: Gatic cover and concrete plug 0.3 - 4.4m: Backfill 4.4 - 4.9m: Bentonite Plug 4.9 - 8.4m: Sand 5.4 - 8.4m: Screen	9

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions

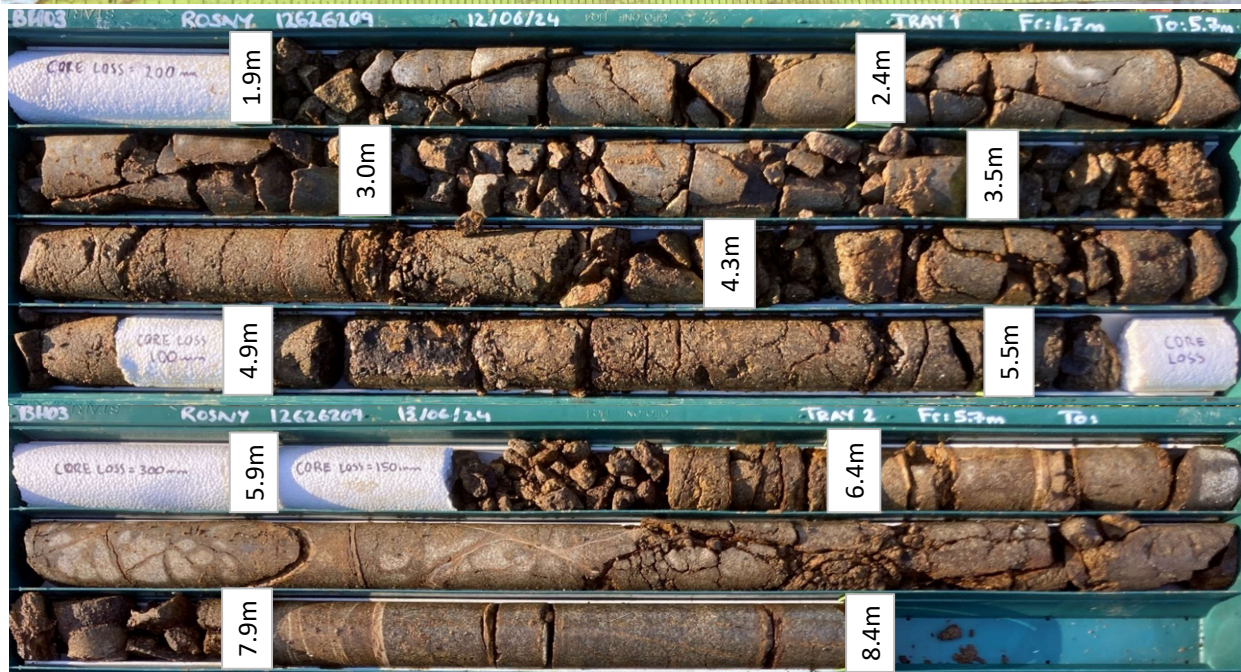


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SPT1 (1.0 - 1.28), N* = R, 280 mm recovered



SPT2 (1.5 - 1.73), N* = R, 230 mm recovered



GHD Pty Ltd

2 Salamanca Square Hobart TAS 7000

Job Number
12626209

A4

Charles Hand Park

Client

Department of State Growth

BH03

Photographic Record

SOIL LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Rosny Parklands Rosny Parklands

LOCATION No. BH04

SHEET 1 OF 1

Position : 530029.1 E, 5254426.2 N \ **Surface RL :** 32.33m **Angle from Horiz. :** 90° **Processed :** AOK
Contractor : South Western Drilling **Rig Type :** Comacchio Geo 405 **Checked :** ASH
Date Started : 23 May 24 **Date Completed :** 24 May 24 **Logged by :** OP **Date :** 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Solid Flight Auger				0.30 (32.03)		TOPSOIL: CLAY with sand, dark-brown, w>PL, rootlets in upper 0.1m	CH	M	St			
					1.00		Silty GRAVEL with sand, grey-brown, fine to medium, trace coarse, subangular to angular, sand is fine to coarse grained [XW Dolerite]	GM	M-D	D	SPT	SPT @ 0.5m = 14/30*, N=R after 220mm Recovery = 220mm Auger grinding from 0.7m	
							Start of coring at 1 metres. See Core Log Sheet for cored interval.						

GEO SOIL BOREHOLE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH04		
Project : AFL Training Facility and High Performance Centre	SHEET 1 OF 3		
Location : Rosny Parklands Rosny Parklands	Position : 530029.1 E, 5254426.2 N \	Surface RL : 32.33m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK	Checked : ASH
Date Started : 23 May 24	Date Completed : 24 May 24	Logged by : OP	Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1		1		1.00 (31.33)		Start of coring at 1 metres. See Soil Log Sheet for soil interval. DOLERITE, grey-brown, Fe Sn, highly fractured, medium grained	MW	M	0	0			1.0 - 1.4m: Highly fractured. Some irregular defects, sub vertical joints apparent in fractured zone, 5 - 30mm, Fe Sn	1
2		2		1.90 (30.43)		1.9 - 2.0m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potentially extremely weathered seam grey-brown, Fe Sn, highly fractured	HW	L				Is(50)	1.35m: Jt, ~70°, Pln, Rf, 10-35mm 1.40m: Jt, 50°, Pln, Rf, Fe Sn 1.43m: Jt, 60°, Pln, Rf, Fe Sn 1.45m: Jt, 0°, Un, Rf, Fe Sn Is(50) (1.5m) = 0.65 MPa 1.55m: Jt, 60°, Pln, Rf, Fe Sn 1.69m: Jt, 40°, Pln, Rf, Fe Sn 1.73m: Jt, 30° Pln, Rf, Fe Sn 1.83m: Jt, 80°, Pln, Rf, Fe Sn, Silt infill	2
		3		2.00 (30.33)			HW	H						
		4		2.20 (30.13)		CORE LOSS = 50mm								
		5	GNO	2.40 (29.93)		DOLERITE, grey-brown, Fe Sn, highly fractured	HW	H	21				2.55m: Jt, 20°, Pln, Rf, Fe Sn	
		6		2.70 (29.63)		orange-brown, Fe Sn, healed defects throughout							2.7m: Jt, 80°, Un, Rf, Fe Sn	
		7		2.90 (29.43)		trace grey-brown, Fe Sn	MW - HW						2.85m: Jt, 90°, Cu, Rf, Fe Sn	
3	HQ Coring	8		2.90 (29.43)		2.9- 3.3m: highly fractured, grey-brown, Fe Sn	MW	H	0				3.3m: Jt, 0°, Pln, Rf, Fe Sn	3
		9		3.30 (29.03)					20				3.43m: Jt, 0°, Pln, Rf, Fe Sn Is(50) (3.5m) = 1.68 MPa 3.53m: Jt, 40°, Pln, Rf, Fe Sn 3.54m: Jt, 0°, Pln, Rf, Fe Sn 3.57m: Jt, 0°, Pln, Rf 3.65m: Jt, 60°, Pln, Rf, Fe Sn 3.76m: Jt, 60°, Pln, Rf, Fe Sn 3.77m: Jt, 0°, Pln, Rf, Fe Sn 3.82m: Jt, 10°, Pln, Rf, Fe Sn 3.84m: Jt, 10°, Pln, Rf, Fe Sn 3.9m: Jt, 70°, Pln, Rf, Fe Sn	4
		10		4.00 (28.33)		CORE LOSS = 100mm								
		11		4.10 (28.23)		DOLERITE, grey-brown, Fe Sn, highly fractured	HW - MW	M	0				4.45m: Jt, 80°, Pln, Rf, Fe Sn 4.49m: Jt, 30°, Pln, Rf, Fe Sn 4.53m: Jt, 30°, Rf, Fe Sn	
		12		4.55 (27.78)		4.55 - 4.7m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite							Is(50) (4.75m) = 0.59 MPa 4.76m: Jt, 70°, Pln, Rf, Fe Sn 4.88m: Jt, 20°, Pln, Rf, Fe Sn 4.92m: Jt, 70°, Pln, Rf, Fe Sn	5

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH04		
Project : AFL Training Facility and High Performance Centre	SHEET 2 OF 3		
Location : Rosny Parklands Rosny Parklands	Position : 530029.1 E, 5254426.2 N \	Surface RL : 32.33m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK	Checked : ASH
Date Started : 23 May 24	Date Completed : 24 May 24	Logged by : OP	Date : 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		10		(27.33)	X	CORE LOSS = 200mm			0	0			5.0m: Difficult to drill due to fractures	
		11		5.20 (27.13)		DOLERITE, grey-brown, Fe Sn, highly fractured	HW - MW	H	0	0			5.35m: Jt, 60°, Pln, Rf, Fe Sn	
		13							0					
		14		5.70 (26.63) 5.80 (26.53)		Sandy GRAVEL with silt, (GP-GM), fine to coarse, subangular-angular, orange-brown, sand is fine to coarse grained [XW Dolerite] CORE LOSS = 300mm	XW	Soil						
6		15		6.10 (26.23)		DOLERITE, grey-brown, Fe Sn	MW	H	0	29			6.2m: Drill bit changed	
		16		6.50 (25.83)		orange-brown to grey-brown, Fe Sn	HW	M				Is(50)	6.33m: Jt, 30°, Un, Rf, Fe Sn 6.37m: Jt, 30°, Pln, Rf, Fe Sn 6.39m: Jt, 0°, Cu, Rf, Fe Sn 6.43m: Jt, 30°, Cu, Rf, Fe Sn Is(50) (6.5m) = 0.56 MPa 6.51m: Jt, 30°, Cu Rf, Fe Sn (x3 @ 10mm)	
		17		6.75 (25.58)		grey-brown, Fe Sn	MW	H					6.67m: Jt, 40°, Pln, Rf, Fe Sn 6.72m: Jt, 60°, Pln, Rf, Fe Sn 6.82m: Jt, 30°, Pln, Rf, Fe Sn	
7				6.90 (25.43)		6.9 - 7.0m: Highly fractured, grey brown			55				7.03m: Jt, 30°, Pln, Rf, Fe Sn	
				7.10 (25.23)		trace blue-grey							7.12m: Jt, 60°, Cu, Rf, Fe Sn 7.15m: Jt, 70°, Pln, Rf, Fe Sn 7.18m: Jt, 30°, Pln, Rf, Fe Sn 7.25m: Jt, 0°, Cu, Rf, Fe Sn 7.3m: Jt, 20°, Cu/Un, Rf, Fe Sn	
	HQ Coring	18											7.56-7.6m: 3x Jt, 20°, Cu, Fe Sn, Rf, 15mm 7.64m: Jt, 50°, Pln, Rf, Fe Sn UCS (7.64-7.8m) = 51.6 MPa	
8									45			Is(50)	7.85m: Jt, 40°, Pln, Rf, Fe Sn 7.88m: Jt, 40°, Un, Rf, Fe Sn Is(50) (7.9m) = 1.41 MPa 8.02m: Jt, 40°, Pln, Rf, Fe Sn 8.10m: Jt, 10°, Pln, Rf, Fe Sn 8.15m: Jt, 10°, Cu, Rf, Fe Sn 8.20m: Jt, 50°, Pln, Rf, Fe Sn 8.28m: Jt, 30°, Pln, Rf, Fe Sn 8.30m: Jt, 20°, Pln, Rf, Fe Sn 8.39m: Jt, 70°, Pln, Rf, Fe Sn 8.42m: Jt, 0°, Cu, Rf, Fe Sn Is(50) (8.5m) = 1.47 MPa	
		19											8.64m: Jt, 0°, Cu, Rf, Fe Sn 8.70m: Jt, 30°, Cu, Rf, Fe Sn 8.72m: Jt, 30°, Cu, Rf, Fe Sn 8.82m: Jt, 0°, Cu, Rf, Fe Sn 8.92m: Jt, 0°, Cu, Rf, Fe Sn 9.0-9.2m: Healed Jts, Cu, 0°	
									8				9.22m: Jt, 60°, Cu Rf, Fe Sn 9.30m: Jt, 70°, Pln, Rf, Fe Sn 9.4-9.45m: 3x Jt, Cu, Rf, 30°, Fe, 10mm 9.5m: Jt, Pln, Rf, Fe Sn	
		20		10.00					50			Is(50)	9.6m: Jt, 0°, Cu, Rf, Fe Sn Is(50) (9.65m) = 5.29 MPa 9.72m: Jt, 60°, Pln, Rf, Fe Sn 9.75m: Jt, 40°, Pln, Rf, Fe Sn 9.85m: Jt, 70°, Pln, Rf, Fe Sn	

GEO CORE LOG SHEET 12626209.GPJ_GHD_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



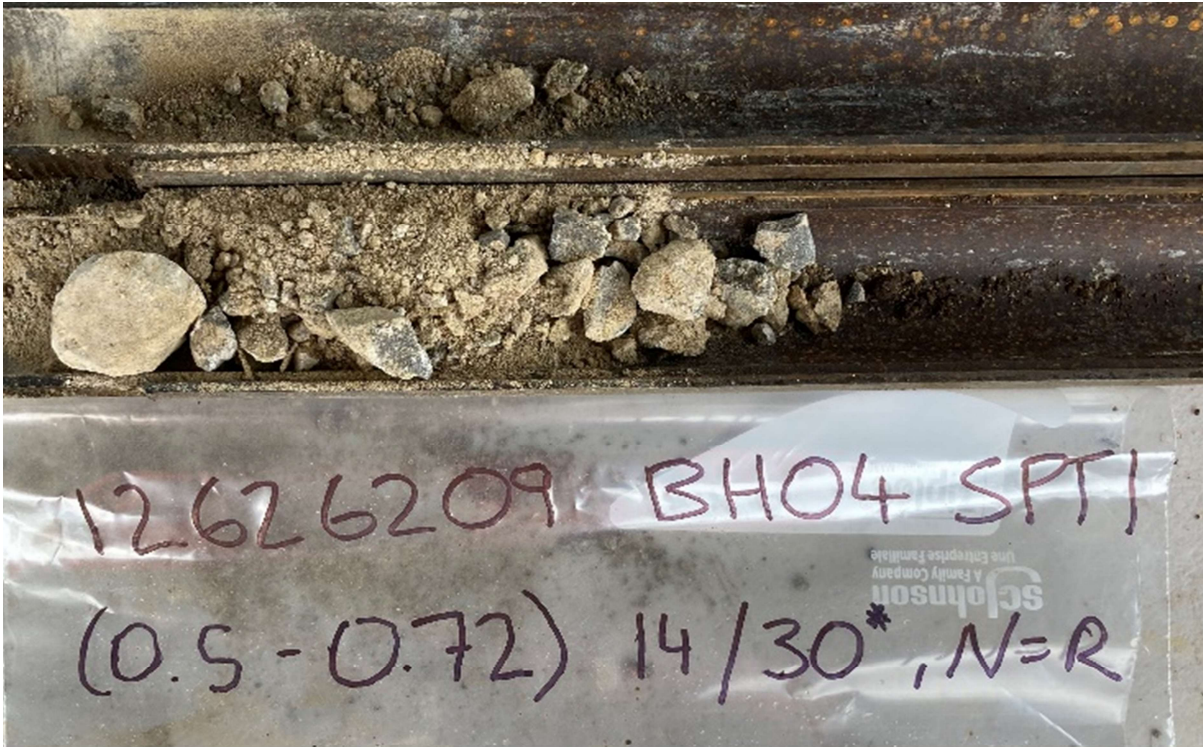
Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH04		
Project : AFL Training Facility and High Performance Centre	SHEET 3 OF 3		
Location : Rosny Parklands Rosny Parklands	Position : 530029.1 E, 5254426.2 N \	Surface RL : 32.33m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK	Checked : ASH
Date Started : 23 May 24	Date Completed : 24 May 24	Logged by : OP	Date : 18 Jul 24

DRILLING				MATERIAL						ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
11	HQ Coring	21		(22.33)		grey-brown, trace blue-grey and orange-brown, healed fractures throughout	MW	M - H	66	66		Is(50)	Is(50) (10.08m) = 0.68 MPa 10.1m: Jt, 10°, Pln, Rf, Fe Sn 10.23m: Jt, 10°, Pln Rf, Fe Sn 10.25m: Jt, 10°, Pln, Rf, Fe Sn 10.27-10.3m: WSm, Cu, Fe Sn, Pln, 0° 10.33m: Jt, 10°, Pln, Rf, Fe Sn 10.34m: Jt, 60°, Pln, Rf, Fe Sn 10.37m: Jt, 10°, Pln, Rf, Fe Sn 10.46m: Jt, 80°, Pln, Rf, Fe Sn 10.47m: Jt, 70°, Un, Rf, Fe Sn 10.54m: Jt, 10°, Pln, WSm, 10mm, Cu 10.57m: Jt, 10°, Pln, Rf, Fe Sn 10.6m: Jt, 0°, Pln/Cu, Rf, Fe Sn 10.65m: Jt, 50°, Pln, Rf, Fe Sn 10.97m: Jt, 0°, Pln, Rf, Fe Sn 11.05m: Jt, 0° Pln, Rf, Fe Sn 11.13m: Jt, 0°, Pln, Rf, Fe Sn 11.16m: Jt, 0°, Pln, Rf, Fe Sn Is(50) (11.18m) = 2.72 MPa 11.21m: Jt, 20°, Pln, Rf, Fe Sn 11.33m: Jt, 30°, Pln, Rf, Fe Sn	11
12		22		13.00 (19.33)		EOH @ 13.0m - target depth reached. End of hole at 13.0 metres.		H - VH	86	86		Is(50) UCS	11.57m: Jt, 30°, Un, Rf, Fe Sn 11.63m: Jt, 40°, Un, Rf, Fe Sn Is(50) (11.65m) = 2.96 MPa 11.79m: Jt, 20°, Un, Rf, Fe Sn 12.15m: Jt, 20°, Cu, Rf, Fe Sn 12.35m: Jt, 0°, Pln, Rf, Fe Sn (x3 @ 20mm) UCS (12.4-12.55m) = 25.8 MPa 12.55m: Jt, 0°, Un, Rf, Fe Sn 12.7m: Jt, 10°, Pln, Rf, Fe Sn 12.73m: WSm, 20°, Pln, 10mm, Ca 12.80m: Jt, 0°, Pln, Cu, Rf, Fe Sn	12
13													Soil cased upon completion. Gatic cover installed for protection.	13

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24



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2 Salamanca Square Hobart TAS 7000

Job Number

12626209

A4

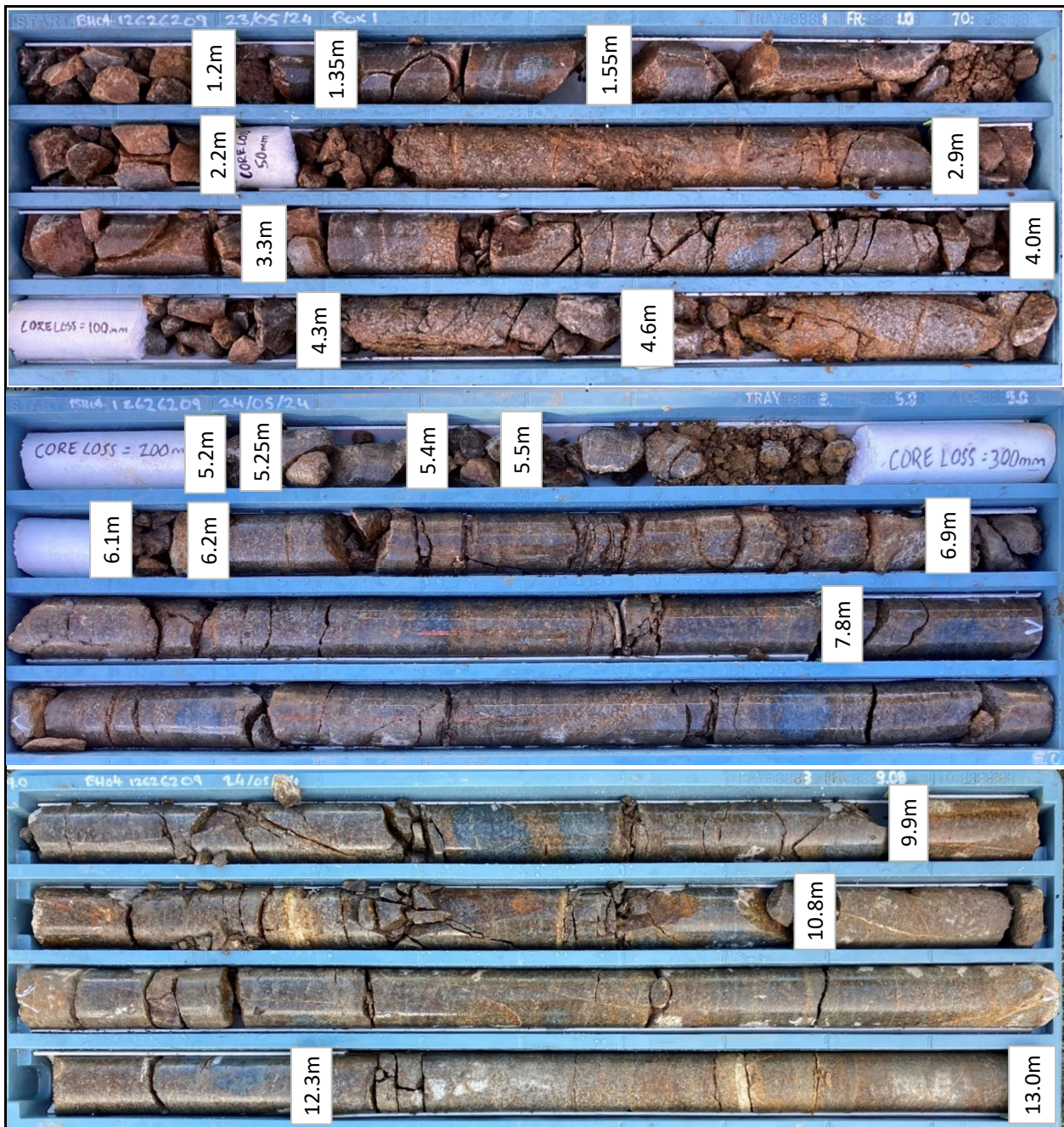
Title

Rosny Parkland
 Photographic Record

Client

Department of State Growth

BH04



GHD Pty Ltd
2 Salamanca Square Hobart TAS 7000

Job Number
12626209

A4

BH04

Title
Rosny Parkland
Photographic Record

Client
Department of State Growth

SOIL LOG SHEET

Client : Department of State Growth	LOCATION No. BH05	
Project : AFL Training Facility and High Performance Centre		
Location : Rosny Parklands Rosny Parklands	SHEET 1 OF 1	
Position : 529993.1 E, 5254403.7 N \	Surface RL : 30.86m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : OP
Date Started : 24 May 24	Date Completed : 25 May 24	Checked : ASH
	Logged by : OP	Date : 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Solid Flight Auger				0.30 (30.56)		TOPSOIL: CLAY with sand, trace gravel, medium plasticity, dark-brown, w>PL	CI	M	St			1
					2.00		Silty GRAVEL with sand, fine to medium, subangular to angular, grey-brown, silt is low plasticity, sand is fine to coarse grained [XW Dolerite]	GM	D-M	VD	SPT	SPT @ 0.5m = 9/35/R, N = R after 300mm Recovery = 300mm	2
							Start of coring at 2 metres. See Core Log Sheet for cored interval.						3
													4
													5

GEO SOIL BOREHOLE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH05	
Project : AFL Training Facility and High Performance Centre	SHEET 1 OF 3	
Location : Rosny Parklands Rosny Parklands	Position : 529993.1 E, 5254403.7 N \	Surface RL : 30.86m
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Angle from Horiz. : 90°
Date Started : 24 May 24	Date Completed : 25 May 24	Processed : OP
		Checked : ASH
		Logged by : OP
		Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1														
2				2.00 (28.86)		Start of coring at 2 metres. See Soil Log Sheet for soil interval.	XW	Soil						
		1		2.60 (28.26)		Cobble, MW Dolerite, H strength								
3		2		2.90 (27.96)		DOLERITE, orange-brown to grey-brown, Fe Sn, fractured	HW - MW	H - VH		40				
		3		3.12 (27.74)		grey-brown, trace blue-grey								
4		4		4.35 (26.51)		4.35 - 4.4m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam								
		5		4.45 (26.41)		4.45 - 4.51m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam								
5		6		4.80 (26.06)		Highly fractured								
				5.00										

See standard sheets for details of abbreviations & basis of descriptions



Job No. 12626209

GEO CORE LOG SHEET 12626209.GPJ_GHD_TEMPLATE_TASMANIA.GDT 30/7/24

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH05		
Project : AFL Training Facility and High Performance Centre	SHEET 2 OF 3		
Location : Rosny Parklands Rosny Parklands	Position : 529993.1 E, 5254403.7 N \	Surface RL : 30.86m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : OP	Checked : ASH
Date Started : 24 May 24	Date Completed : 25 May 24	Logged by : OP	Date : 18 Jul 24

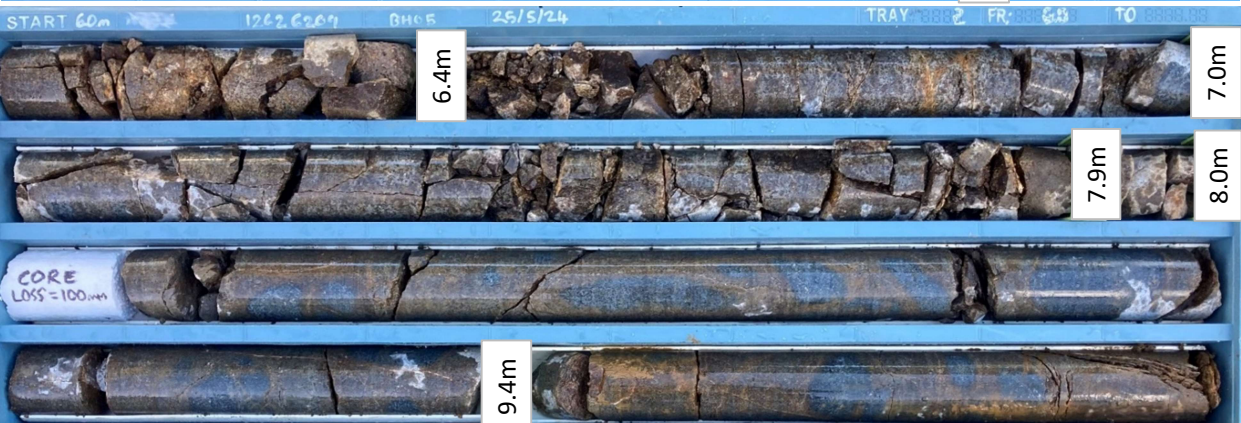
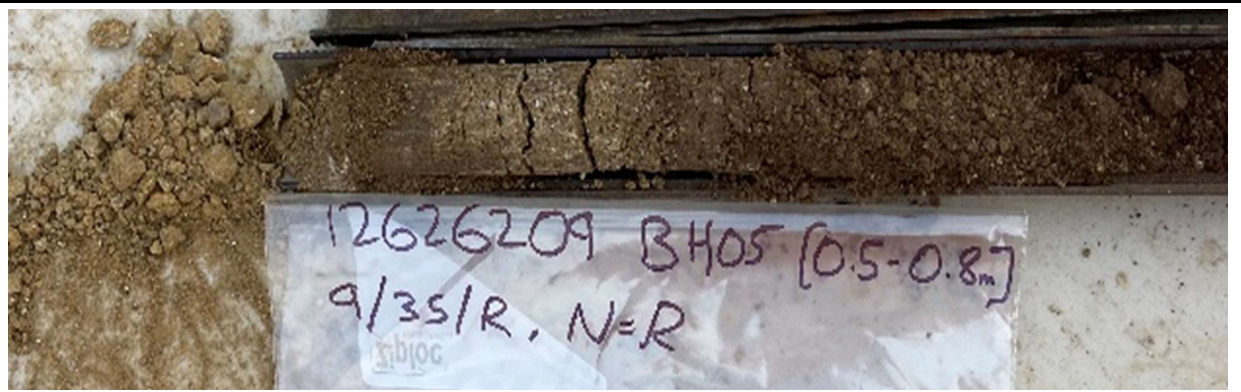
DRILLING			MATERIAL					ADDITIONAL DATA						
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
				(25.86)	X	CORE LOSS = 200mm								
		7		5.20 (25.66) 5.30 (25.56)		DOLERITE, grey-brown, Fe Sn, highly fractured, healed defects throughout 5.3 - 5.35m: Highly fractured zone, recovered as cobble sized fragments of highly weathered dolerite	MW	VH	0			Is(50)	5.25m: Jt, 30°, Pln, Rf, Fe Sn 5.41m: Jt, 20°, Pln, Rf, Fe Sn 5.42m: Jt, 60°, Pln, Rf, Fe Sn 5.45m: Jt, 30°, Pln, Rf, Fe Sn 5.48m: Jt, 0°, Pln, Rf, Fe Sn 5.51m: Jt, 80°, Pln, Rf, Fe Sn 5.58m: Jt, 10°, Pln, Rf, Fe Sn 5.61m: Jt, 10°, Pln, Rf, Fe Sn 5.7m: Jt, 0°, Pln, Rf, Fe Sn Is(50) (5.7m) = 9.73 MPa	
6		8		6.00 (24.86)		6.0 - 6.4m: Highly fractured zone			0				6.0m: Jt, 0°, Pln, Rf, Fe Sn 6.05m: Jt, 90°, Pln, Rf, Fe Sn 6.07m: Jt, 20°, Pln, Rf, Fe Sn 6.16m: Jt, 60°, Pln, Rf, Fe Sn 6.24m: Jt, 60°, Pln, Rf, Fe Sn	6
		9		6.40 (24.46)		6.4 - 6.6m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam			25			Is(50)	6.58m: Jt, 10°, Pln, Rf, Fe Sn 6.62m: Jt, 10°, Pln, Rf, Fe Sn Is(50) (6.7m) = 1.57 MPa 6.84m: Jt, 10°, Pln, Rf, Fe Sn 6.89m: Jt, 0°, Pln, Rf, Fe Sn	7
7		10		7.40 (23.46)		7.4 - 7.5m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam			0			Is(50)	7.04m: Jt, 70°, Pln, Rf, Fe Sn 7.12m: Jt, 40°, Pln, Rf, Fe Sn 7.17m: Jt, 30°, Pln, Rf, Fe Sn 7.24m: Jt, 30°, Pln, Rf, Fe Sn 7.25m: Jt, 90°, Cu, Rf, Fe Sn 7.33m: Jt, 20°, Pln, Rf, Fe Sn Is(50) (7.4m) = 2.26 MPa 7.51m: Jt, 20°, Pln, Rf, Fe Sn 7.55m: Jt, 10°, Pln, Rf, Fe Sn 7.59m: Jt, 60°, Pln, Rf, Fe Sn 7.63m: Jt, 20°, Pln, Rf, Fe Sn 7.68m: Jt, 20°, Pln, Rf, Fe Sn 7.73m: Jt, 30°, Un, Rf, Fe Sn 7.74m: Jt, 70°, Pln, Rf, Fe Sn 7.83m: Jt, 10°, Pln, Rf, Fe Sn	7
		11		8.00 (22.86) 8.10 (22.76)	X	CORE LOSS = 100mm			0				Water loss: 7.0 - 8.0m	8
		12		8.80 (22.06)		DOLERITE, blue-grey to grey-brown, Fe Sn in joints, healed defects throughout	MW - SW	H - VH	80			Is(50)	Is(50) (8.1m) = 1.79 MPa 8.15m: Jt, 10°, Un, Rf, Fe Sn 8.19m: Jt, 10°, Pln, Rf, Fe Sn 8.33m: Jt, 50°, Cu, Rf, Fe Sn 8.45m: Jt, 60°, Pln, Rf, Fe Sn	8
		13		8.80 (22.06)		8.8 - 8.83m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam			69			Is(50)	8.8 - 8.83m: CSm, 10°, Pln, Fe Sn, 30mm Is(50) (8.9m) = 3.41 MPa 8.98m: Jt, 40°, Cu, Rf, Fe Sn 9.0m: Jt, 0°, Pln, Rf, Fe Sn 9.07m: Jt, 0°, Pln, Rf, Fe Sn UCS (9.07 - 9.26m) = 41.6 MPa 9.26m: Jt, 10°, Pln, Rf, Fe Sn 9.37m: Jt, 20°, Pln, Rf, Fe Sn 9.48m: Jt, 30°, Pln, Rf, Fe Sn Is(50) (9.5m) = 2.29 MPa 9.55m: Jt, 10°, Pln, Rf, Fe Sn	9
10		13		10.00								Is(50)	9.85m: Jt, 10°, Cu, Rf, Fe Sn 9.9m: WSM, 90°, Cu, Fe Sn	10

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209



GHD Pty Ltd

2 Salamanca Square Hobart TAS 7000

Job Number
12626209

A4

Title
Rosny Parkland
Photographic Record

Client
Department of State Growth

BH05

SOIL LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Rosny Parklands Rosny Parklands

LOCATION No. BH06

SHEET 1 OF 1

Position : 529869.3 E, 5254239.5 N \ **Surface RL :** 26.90m **Angle from Horiz. :** 90° **Processed :** OP
Contractor : South Western Drilling **Rig Type :** Commachio Geo 405 **Checked :** ASH
Date Started : 12 Jun 24 **Date Completed :** 12 Jun 24 **Logged by :** OP **Date :** 18 Jul 24

DRILLING				MATERIAL				ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Solid Flight Auger				0.20 (26.70)		TOPSOIL: CLAY, trace sand and gravel, high plasticity, dark-brown, sand is fine to medium grained, gravel is fine, subangular, w-PL	CH	M	VSt	U63 U63 (0.5 - 0.9m)	
							CLAY with sand, high plasticity, dark-brown, sand is fine to coarse grained, w-PL [Residual Soil]	CH	M	VSt		
1					1.00 (25.90)		CLAY with sand and gravel, medium plasticity, brown mottled orange, sand is fine to coarse grained, gravel is fine, subangular, w-PL [XW Dolerite]	CI	M-D	H	PP SPT PP @ 0.9m = >600 kPa (UCS) SPT @ 0.9m = 9/22/25, N = 47 Recovery = 450mm	1
					1.40 (25.50)		Becoming orange-brown				SPT SPT @ 1.5m = 19/25*-, N = R after 220mm (bouncing) Recovery = 220mm	
2				1.90			Start of coring at 1.9 metres. See Core Log Sheet for cored interval.					2
3												3
4												4
5												5

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH06		
Project : AFL Training Facility and High Performance Centre	SHEET 1 OF 2		
Location : Rosny Parklands Rosny Parklands	Position : 529869.3 E, 5254239.5 N \	Surface RL : 26.90m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Commachio Geo 405	Processed : OP	Checked : ASH
Date Started : 12 Jun 24	Date Completed : 12 Jun 24	Logged by : OP	Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1														
2				1.90 (25.00)		Start of coring at 1.9 metres. See Soil Log Sheet for soil interval. CORE LOSS = 500mm								
		1		2.40 (24.50)		Clayey SAND with gravel (SC), medium to coarse grained, orange-brown, clay is low plasticity, gravel is fine, subangular [XW Dolerite]	XW	Soil						
				2.80 (24.10)		DOLERITE, orange-brown, Fe Sn, highly fractured	HW	M		16				
3				3.50 (23.40)		trace grey-brown	HW - MW	M - H		10			Is(50)	
		2		4.10 (22.80)		orange-brown	HW	M					Is(50)	
				4.50 (22.40)		grey-brown, Fe Sn	MW	H					Is(50)	
5		3								0				

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH06		
Project : AFL Training Facility and High Performance Centre	SHEET 2 OF 2		
Location : Rosny Parklands Rosny Parklands	Position : 529869.3 E, 5254239.5 N \	Surface RL : 26.90m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Commachio Geo 405	Processed : OP	Checked : ASH
Date Started : 12 Jun 24	Date Completed : 12 Jun 24	Logged by : OP	Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		3		5.05 (27.85)		5.05 - 5.16m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential crushed seam							5.02m: Jt, 70°, Pln, Rf, Fe Sn	
				6.05 (26.85) (26.93) (26.78) (20.70)		Sandy SILT, orange-brown, sand is fine grained, WSn (50mm) DOLERITE, grey-brown, Fe Sn, highly fractured, possible travertine Sandy SILT, orange-brown, sand is fine grained, WSn (50mm) DOLERITE, grey-brown, Fe Sn, highly fractured	XW MW XW MW	Soil H Soil H					5.15m: Jt, 0°, Pln, Rf, Fe Sn 5.26m: Jt, 10°, Un, Rf, Fe Sn 5.34m: Jt, 0°, Un, Rf, Fe Sn 5.43m: Jt, 60°, Pln, Rf, Fe Sn 5.48m: Jt, 65°, Pln, Rf, Fe Sn 5.53m: Jt, 60°, Pln, Rf, Fe Sn 5.56m: Jt, 60°, Pln, Rf, Fe Sn 5.62m: Jt, 30°, Pln, Rf, Fe Sn 5.66m: Jt, 0°, Pln, Rf, Fe Sn 5.73m: Jt, 60°, Pln, Rf, Fe Sn 5.77m: Jt, 30°, Pln, Rf, Fe Sn 5.8m: Jt, 60°, Cu, Rf, Fe Sn 5.83m: Jt, 60°, Cu, Rf, Fe Sn 5.88m: Jt, 30°, Pln, Rf, Fe Sn 5.99m: Jt, 30°, Un, Rf, Fe Sn 6.1m: Jt, 60°, Pln, ~50mm thick - possibly carbonate infill. XW Silt infill on either side. 6.27m: Jt, 70°, Pln, Rf, Fe Sn 6.31m: Jt, 30°, Pln, Rf, Fe Sn 6.43m: Jt, 60°, Pln, Rf, Fe Sn Is(50) (6.48m) = 1.27 MPa 6.54m: Jt, 30°, Pln, Rf, Fe Sn 6.6m: Jt, 70°, Pln, Rf, Fe Sn 6.71m: Jt, 60°, Pln, Rf, Fe Sn 6.77m: Jt, 50°, Cu, Rf, Fe Sn 6.81m: Jt, 10°, Pln, Rf, Fe Sn 6.82m: Jt, 0°, Pln, Rf, Fe Sn 6.9m: Jt, 0°, Pln, Rf, Fe Sn 6.98m: Jt, 20°, Pln, Rf, Fe Sn 7.05m: Jt, 10°, Un, Rf, Fe Sn 7.25m: Jt, 10°, Un, Rf, Fe Sn 7.35m: Jt, 0°, Pln, Rf, Fe Sn 7.41m: Jt, Pln, 30°, Rf, Fe Sn 7.49m: Jt, 0°, Un, Rf, Fe Sn 7.53m: Jt, 20°, Pln, Rf, Fe Sn 7.6 - 7.9m: Jt, 80°, Pln, ~ 300mm 7.6 - 7.9m: Ca infilled vein, 60°, Pln, 300mm 7.7m: Jt, 10°, Pln, Rf, Fe Sn Is(50) (7.8m) = 0.56 MPa	
		4		6.95 (19.95)		healed defects throughout		M - H						
				7.90 (19.00)		EOH at 7.9m - target depth reached. Standpipe installed upon completion. End of hole at 7.9 metres.							Standpipe Construction Details (mBGL): 0.0 - 0.3m: Gatic cover and concrete plug 0.3 - 3.9m: Backfill 3.9 - 4.4m: Bentonite Plug 4.4 - 7.9m: Sand 4.9 - 7.9m: Screen	

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions

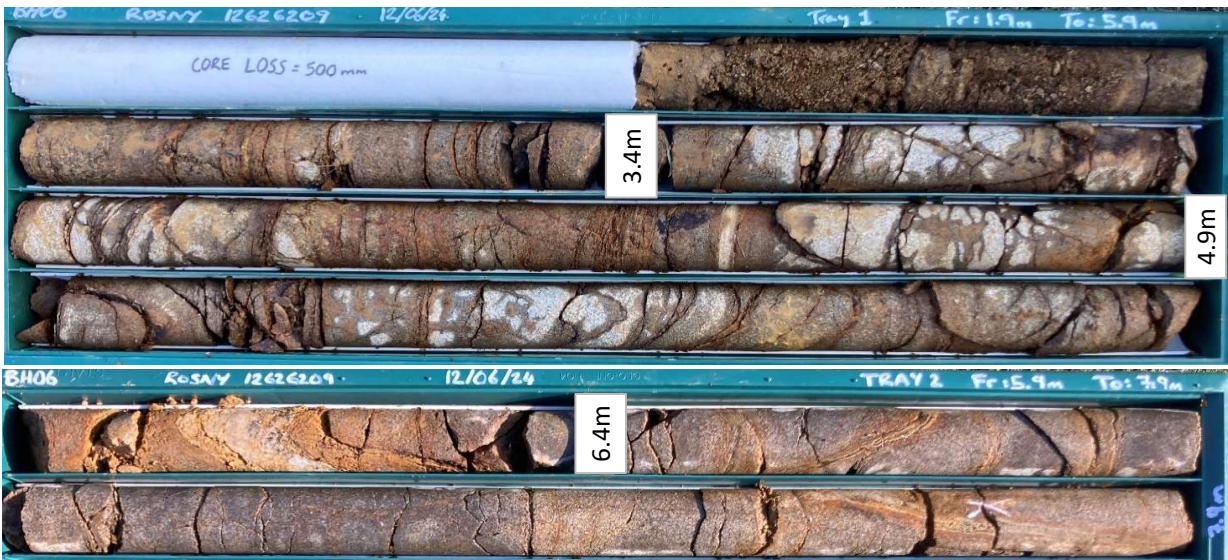


Job No.
12626209

SPT1 (0.9 - 1.35), N* = 47, 450 mm recovered



SPT2 (1.5 - 1.72), N* = R, 220 mm recovered



Job Number 12626209	A4	Title Charles Hand Park Photographic Record	Client Department of State Growth
BH06			

SOIL LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Rosny Parklands Rosny Parklands

LOCATION No. BH10

SHEET 1 OF 1

Position : 530019.6 E, 5254099.0 N \ **Surface RL :** 8.70m **Angle from Horiz. :** 90° **Processed :** OP
Contractor : South Western Drilling **Rig Type :** Commachio Geo 405 **Checked :** ASH
Date Started : 13 Jun 24 **Date Completed :** 13 Jun 24 **Logged by :** OP **Date :** 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
1	Solid Flight Auger				0.20 (8.50)		TOPSOIL: SILT with gravel, trace sand and cobbles, low plasticity, dark-brown, gravel is fine to medium, subangular, sand is medium to coarse grained, cobbles are 60 - 100mm, w~PL	ML	D-M	L	U63	U63 (0.5 - 0.8m)	1
							SILT with gravel, trace sand and cobbles, low plasticity, dark-brown, gravel is fine to medium, subangular, sand is medium to coarse grained, cobbles are 60 - 100mm, w~PL	ML	D-M	-			
					0.70 (8.00)		Clayey SAND with gravel, fine to coarse grained, pale grey to brown, clay is low plasticity, gravel is fine to medium, subangular [XW Dolerite]	SC	D	VD	SPT	SPT @ 0.8m = 5/20/18, N = 38 Recovery = 350mm	
2					1.80		Start of coring at 1.8 metres. See Core Log Sheet for cored interval.				SPT	U63 at 1.5m = refusal SPT @ 1.5m = 19/30'+, N = R after 280mm Recovery = 280mm	2
3													3
4													4
5													5

GEO SOIL BOREHOLE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth Project : AFL Training Facility and High Performance Centre Location : Rosny Parklands Rosny Parklands	LOCATION No. BH10 SHEET 2 OF 2
Position : 530019.6 E, 5254099.0 N \	Surface RL : 8.70m Angle from Horiz. : 90°
Contractor : South Western Drilling Rig Type : Commachio Geo 405	Processed : OP Checked : ASH
Date Started : 13 Jun 24 Date Completed : 13 Jun 24	Logged by : OP Date : 18 Jul 24

DRILLING				MATERIAL						ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		4		5.20 (3.50)	-	EOH at 5.2m - target depth achieved. Standpipe installed upon completion End of hole at 5.2 metres.			100	100			Standpipe Construction Details (mBGL): 0.0 - 0.3m: Gatic cover and concrete plug 0.3 - 1.0m: Backfill 1.0 - 1.5m: Bentonite Plug 1.5 - 5.0m: Sand 2.0 - 5.0m: Screen	
6														6
7														7
8														8
9														9
10														10

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions

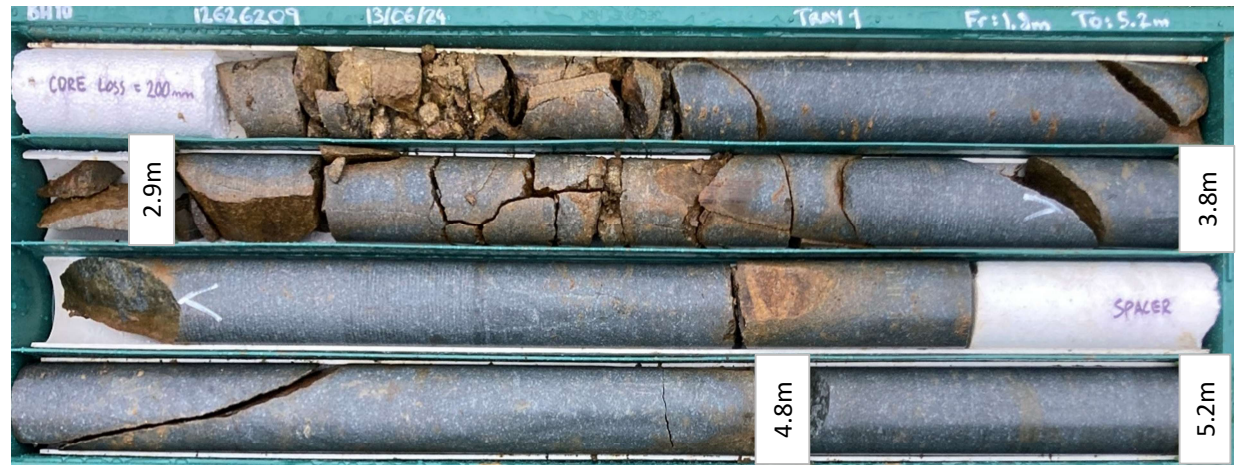


Job No.
12626209

SPT1 (0.8 - 1.25), N* = R, 220 mm recovered



SPT2 (1.5 - 1.78), N* = R, 220 mm recovered



GHD Pty Ltd
 2 Salamanca Square Hobart TAS 7000

Job Number 12626209	A4	Title Rosny Parkland	Client Department of State Growth
BH10		Photographic Record	

SOIL LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Charles Hand Park

LOCATION No. BH_C01

SHEET 1 OF 1

Position : 529710.8 E, 5253809.7 N \ **Surface RL :** 23.50m **Angle from Horiz. :** 90° **Processed :** AOK
Contractor : South Western Drilling **Rig Type :** Comacchio Geo 405 **Checked :** ASH
Date Started : 28 May 24 **Date Completed :** 28 May 24 **Logged by :** OP **Date :** 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
					0.30 (23.20)		TOPSOIL: Sandy CLAY, trace gravel, low plasticity, dark-brown, sand is fine to coarse grained, gravel is fine, subangular, w<PL	CL	D-M	St			
					0.70 (22.80)		CLAY with sand and gravel, high plasticity, brown, sand is fine to coarse grained, gravel is fine to medium, subangular, w~PL, [Residual Soil]	CH	M	VSt			
					0.70 (22.80)		CLAY with sand and gravel, low plasticity, pale-brown, sand is fine to coarse grained, gravel is fine to coarse, subangular, w~PL [XW Dolomite]	CL	M	H			
					1.30		Start of coring at 1.3 metres. See Core Log Sheet for cored interval.						
											SPT	SPT @ 0.5m = 10/16/19, N=35 Recovery = 300mm	

GEO SOIL BOREHOLE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH_C01	
Project : AFL Training Facility and High Performance Centre		
Location : Charles Hand Park Rosny Parklands	SHEET 1 OF 2	
Position : 529710.8 E, 5253809.7 N \	Surface RL : 23.50m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK
Date Started : 28 May 24	Date Completed : 28 May 24	Logged by : OP
		Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1				1.30 (22.20)		Start of coring at 1.3 metres. See Soil Log Sheet for soil interval.								
2		1				Sandy CLAY, trace gravel, high plasticity, orange-brown, sand is fine to coarse grained, gravel is fine, subangular, [XW Dolerite]	XW	Soil						
3		2	GNO	2.80 (20.70)		CORE LOSS = 600mm								
4		3		3.40 (20.10)		Sandy CLAY with gravel, high plasticity, orange-brown, sand is fine to medium grained, gravel is HW Dolerite, [XW Dolerite]	XW	Soil						
4		4		4.00 (19.50)		CORE LOSS = 100mm								
4		4		4.10 (19.40)		Sandy CLAY with gravel, high plasticity, orange-brown, sand is fine to medium grained, gravel is HW Dolerite, [XW Dolerite]	XW	Soil						
4		4		4.20 (19.30)			DOLERITE, orange-brown, highly fractured, healed defects throughout	HW	L - M	38				
5		5		4.80 (18.70)		XW at joints								
5		5		4.90 (18.60)						0				

Is(50)
 4.21m: Jt, 90°, CU, Rf, Fe Sn
 4.24m: Jt, 20°, Pln, Rf, Fe Sn
 4.28m: Jt, 30°, Cu, Rf, Fe Sn
 Is(50) (4.3m) = 0.78 MPa
 4.36m: Jt, 20°, Pln, Rf, Fe Sn
 4.40m: Jt, 20°, Pln, Rf, Fe Sn
 4.51m: Jt, 70°, Pln, Rf, Fe Sn, (200mm)
 4.62m: Jt, 30°, Pln, Rf, Fe Sn
 4.73m: Jt, 50°, Pln, Rf, Fe Sn
 4.80m: Jt, 90°, Cu, Rf, Fe Sn, (200mm)
 4.93m: Jt, 20°, Pln, Rf, Fe Sn

GEO CORE LOG SHEET 12626209.GPJ_GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth	LOCATION No. BH_C01		
Project : AFL Training Facility and High Performance Centre	SHEET 2 OF 2		
Location : Charles Hand Park Rosny Parklands	Position : 529710.8 E, 5253809.7 N \	Surface RL : 23.50m	Angle from Horiz. : 90°
Contractor : South Western Drilling	Rig Type : Comacchio Geo 405	Processed : AOK	Checked : ASH
Date Started : 28 May 24	Date Completed : 28 May 24	Logged by : OP	Date : 18 Jul 24

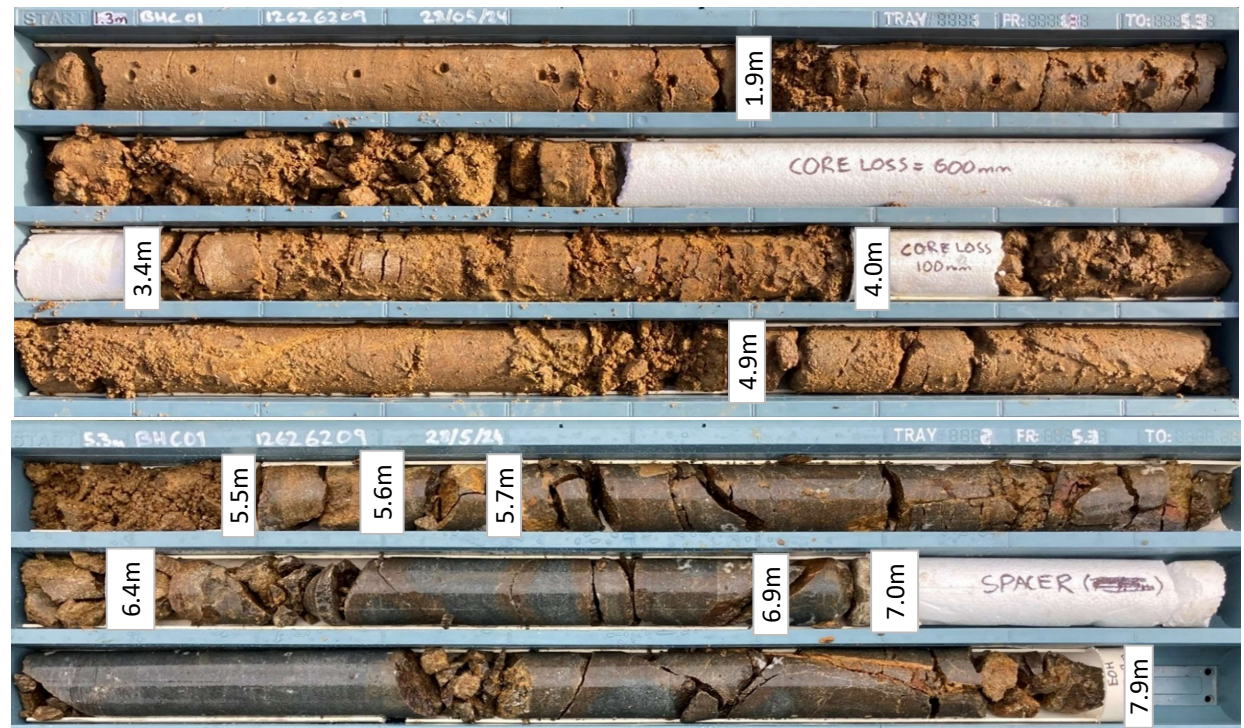
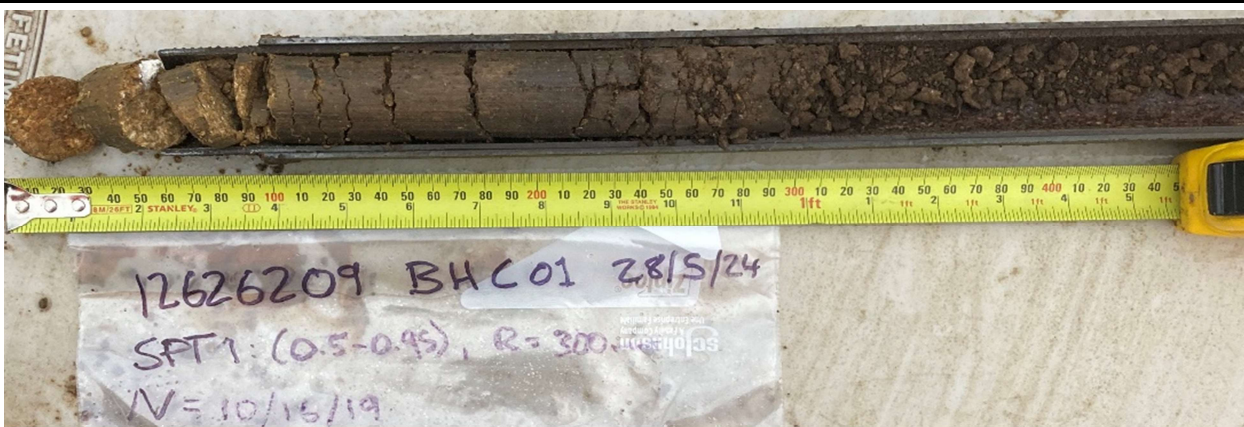
DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other In situ test results	SCALE (m)
		5		5.30 (18.20)		Sandy SILT, low plasticity, orange-brown, fine to medium grained [XW Dolerite]	XW	Soil					5.03m: Jt, 20°, Cu, Rf, Fe Sn 5.09m: Jt, 0°, Pln, Rf, Fe Sn	
		6		5.50 (18.00)		DOLERITE, grey-brown, Fe Sn, highly fractured	HW	M	0	0			5.21m: Jt, 90°, Cu, Rf, Fe Sn 5.28m: Jt, 10°, Pln, Rf, Fe Sn	
		7					HW - MW	H - VH	16				5.56m: Jt, 20°, Pln, Rf, Fe Sn 5.64m: Jt, 60°, Pln, Rf, Fe Sn 5.66m: Jt, 0°, Pln, Rf, Fe Sn 5.73m: Jt, 20°, Pln, Rf, Fe Sn 5.77m: Jt, 20°, Pln, Rf, Fe Sn 5.83m: Jt, 10°, Cu, Rf, Fe Sn 5.87m: Jt, 60°, Cu, Rf, Fe Sn	
		8		6.30 (17.20)		6.3 - 6.6m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam	MW		0				6.01m: Jt, 10°, Cu, Rf, Fe Sn 6.08m: Jt, 80°, Pln, Rf, Fe Sn 6.1m: Jt, 10°, Pln, Rf, Fe Sn 6.14m: Jt, 10°, Cu, Rf, Fe Sn 6.18m: Jt, 10°, Pln, Rf, Fe Sn 6.24m: Jt, 10°, Pln, Rf, Fe Sn 6.28m: Jt, 80°, Pln, Rf, Fe Sn NOTE: Switched drill bit at 6.4m	
		9		6.60 (16.90)		Becoming, grey-brown, Fe Sn on joints	MW - SW	EH					6.58m: Jt, 30°, Cu, Rf, Fe Sn 6.64m: Jt, 60°, Pln, Rf, Fe Sn Is(50) (6.65m) = >10 MPa (unable to break) 6.72m: Jt, 30°, Pln, Rf, Fe Sn 6.77m: Jt, 10°, Pln, Rf, Fe Sn 6.81m: Jt, 0°, Pln, Rf, Fe Sn 6.90m: Jt, 60°, Pln, Rf, Fe Sn	
		10							33				7.06m: Jt, 60°, Pln, Rf, Fe Sn UCS UCS (7.06 - 7.31m)	
		11		7.30 (16.32) (16.18)		Becoming MW, grey-brown, Fe Sn 7.32 - 7.4m: Highly fractured zone, recovered as gravel sized fragments of highly weathered dolerite, potential extremely weathered seam	MW	VH					7.32m: Jt, 30°, Pln, Rf, Fe Sn Is(50) 7.44m: Jt, 45°, Pln, Rf, Fe Sn Is(50) (7.45m) = 5.48 MPa 7.54m: Jt, 70°, Pln, Rf, Fe Sn 7.59m: Jt, 45°, Pln, Rf, Fe Sn 7.62m: Jt, 45°, Un, Rf, Fe Sn 7.69m: Jt, 80°, Pln, Rf, Fe Sn, Ca (5mm) 7.74m: Jt, 10°, Un, Rf, Fe Sn 7.79m: Jt, 10°, Un, Rf, Fe Sn	
				7.80 (15.70) 7.90 (15.60)		7.8 - 7.9m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite EOH @ 7.9m - Target depth reached. End of hole at 7.9 metres.							Soil cased upon completion. Gatic cover installed for protection.	

GEO CORE LOG SHEET 12626209.GPJ_GHD_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209



GHD Pty Ltd
 2 Salamanca Square Hobart TAS 7000

Job Number 12626209	A4	Title Charles Hand Park Photographic Record	Client Department of State Growth
BH_C01			

SOIL LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Charles Hand Park

LOCATION No. BH_C02

SHEET 1 OF 1

Position : 529761.4 E, 5253892.8 N \ **Surface RL :** 25.69m **Angle from Horiz. :** 90° **Processed :** OP
Contractor : South Western Drilling **Rig Type :** Commachio Geo 405 **Checked :** ASH
Date Started : 28 May 24 **Date Completed :** 29 May 24 **Logged by :** OP **Date :** 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
1	Solid Flight Auger				0.20 (25.49)		TOPSOIL: CLAY, trace sand, high plasticity, dark-brown, sand is fine grained, rootlets, w>PL	CH	M	F-St	U63 SPT	U63 (0.5 - 0.55m) - refusal after 50mm SPT @ 0.55m = 15'±, N = R after 75mm	1
					0.50 (25.19)		CLAY, trace sand, high plasticity, dark-brown, sand is fine grained, trace rootlets, w>PL [Residual Soil]	CH	M	St			
					0.70 (24.99)		Clayey GRAVEL with sand, fine to coarse, subangular, pale-brown, clay is low plasticity, sand is fine to coarse grained [XW Dolerite]	GC	D	VSt-H			
					1.50 (24.19)		with cobbles			VSt-H			
2						Auger refusal at 1.5m. Returned following day to commence HQ coring, but rig had subsided ~300mm in to the topsoil. Rig was moved ~5m NE and restarted. Refer to BH_C02A					Borehole backfilled with spoil	2	
3													3
4													4
5													5

GEO SOIL BOREHOLE LOG SHEET_12626209.GPJ_GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

SOIL LOG SHEET

Client : Department of State Growth	LOCATION No. BH_C02A		
Project : AFL Training Facility and High Performance Centre			
Location : Charles Hand Park	SHEET 1 OF 1		
Position : 529765.0 E, 5253896.0 N \	Surface RL : 23.30m	Angle from Horiz. : 90°	Processed : OP
Contractor : South Western Drilling	Rig Type : Commachio Geo 405	Checked : ASH	
Date Started : 29 May 24	Date Completed : 9 May 24	Logged by : OP	Date : 18 Jul 24

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Solid Flight Auger				0.20 (23.10)		TOPSOIL: CLAY, trace sand, high plasticity, dark-brown, sand is fine grained, rootlets, w>PL	CH	M	St			
					0.60 (22.70)		CLAY, trace sand, high plasticity, dark-brown, sand is fine grained, trace rootlets, w>PL [Residual Soil]	CH	M	St			
					1.50		Clayey GRAVEL with sand, fine to coarse, subangular, pale-brown, clay is low plasticity, sand is fine to coarse grained [XW Dolerite]	GC	D-M	D			
							Start of coring at 1.5 metres. See Core Log Sheet for cored interval.						

GEO SOIL BOREHOLE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 18/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209

CORE LOG SHEET

Client : Department of State Growth
 Project : AFL Training Facility and High Performance Centre
 Location : Charles Hand Park Rosny Parklands

LOCATION No. BH_C02A

SHEET 1 OF 2

Position : 529765.0 E, 5253896.0 N \ Surface RL : 23.30m Angle from Horiz. : 90° Processed : OP
 Contractor : South Western Drilling Rig Type : Commachio Geo 405 Checked : ASH
 Date Started : 29 May 24 Date Completed : 9 May 24 Logged by : OP Date : 18 Jul 24

DRILLING			MATERIAL						ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1				1.50 (21.80)		Start of coring at 1.5 metres. See Soil Log Sheet for soil interval. CORE LOSS = 500mm								
2		1		2.00 (21.30)		DOLERITE, grey-brown, Fe Sn, highly fractured	HW	M	0					
				2.20 (21.10)		Less fractured	HW - MW	VH	38				2.23m: Jt, 10°, Pln, Rf, Fe Sn 2.25m: Jt, 60°, Pln, Rf, Fe Sn 2.32m: Jt, 60°, Pln, Rf, Fe Sn 2.39m: Jt, 0°, Pln, Rf, Fe Sn	
		2	GNO									Is(50)	2.5m: Jt, 0°, Pln, Rf, Fe Sn 2.52m: Jt, 0°, Pln, Rf, Fe Sn 2.54m: Jt, 10°, Pln, Rf, Fe Sn 2.56m: Jt, 0°, Pln, Rf, Fe Sn 2.67m: Jt, 10°, Pln, Rf, Fe Sn Is(50) (2.7m) = 6.85 MPa 2.72m: Jt, 10°, Pln, Rf, Fe Sn 2.76m: Jt, 80°, Cu, Rf, Fe Sn (100mm) 2.8m: Jt, 20°, Cu, Rf, Fe Sn 2.81m: Jt, 80°, St, Rf, Fe Sn (200mm) 2.89m: Jt, 10°, Pln, Rf, Fe Sn 3.01m: Jt, 10°, Un, Rf, Fe Sn 3.1m: Jt, 0°, Pln, Rf, Fe Sn 3.11m: Jt, 80°, Pln, Rf, Fe Sn 3.17m: Jt, 60°, Pln, Rf, Fe Sn 3.22m: Jt, 0°, Cu, Rf, Fe Sn 3.27m: Jt, 0°, Cu, Rf, Fe Sn Is(50) (3.3m) = 10.47 MPa 3.5 - 3.58m: CSm, sub-horizontal, Sandy GRAVEL, fine to coarse, orange brown 3.58m: Jt, 0°, Pln, Rf, Fe Sn 3.62m: Jt, 10°, Pln, Rf, Fe Sn 3.72m: Jt, 90°, Un, Rf, Fe Sn (400mm) 3.75m: Jt, 60°, Un, Rf, Fe Sn 3.87m: Jt, 0°, Cu, Rf, Fe Sn 3.89m: Jt, 10°, Pln, Rf, Fe Sn 3.91m: Jt, 10°, Pln, Rf, Fe Sn 3.96m: Jt, 60°, Pln, Rf, Fe Sn 4.06m: Jt, 70°, Pln, Rf, Fe Sn (100mm) Core loss at 4.1m - possibly from the fractured zone in 3.3 - 3.6m 4.36m: Jt, 70°, Cu, Rf, Fe Sn 4.4m: Jt, 80°, Pln, Rf, Fe Sn (200mm) 4.43m: Jt, 60°, Pln, Rf, Fe Sn 4.44m: Jt, 20°, Pln, Rf, Fe Sn	
3				3.30 (20.00)		3.3 - 3.5m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam		VH - EH	0					
				3.50 (19.80)		Silty GRAVEL, trace sand, fine to coarse, typically fine, subangular, orange-brown, silt is low plasticity, sand is medium to coarse grained [crushed seam]		MW	H					
		3		3.58 (19.72)		DOLERITE, grey-brown, Fe Sn								
4				4.10 (19.20)		CORE LOSS = 200mm								
				4.30 (19.00)		DOLERITE, grey-brown, Fe Sn	MW	VH	0					
		4		4.50 (18.80)		4.5 - 4.6m: Highly fractured zone, recovered as cobble and gravel sized fragments of highly weathered dolerite, potential extremely weathered seam								
				4.60 (18.70)		CORE LOSS = 200mm								
				4.80 (18.50)		DOLERITE, grey-brown, Fe Sn, fractured	MW	VH	0					
5		5											4.95m: Jt, 30°, Pln, Rf, Fe Sn 4.97m: Jt, 70°, Pln, Rf, Fe Sn	

GEO CORE LOG SHEET 12626209.GPJ_GHD_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No. 12626209

CORE LOG SHEET

Client : Department of State Growth
Project : AFL Training Facility and High Performance Centre
Location : Charles Hand Park Rosny Parklands

LOCATION No. BH_C02A

SHEET 2 OF 2

Position : 529765.0 E, 5253896.0 N \ **Surface RL :** 23.30m **Angle from Horiz. :** 90° **Processed :** OP
Contractor : South Western Drilling **Rig Type :** Commachio Geo 405 **Checked :** ASH
Date Started : 29 May 24 **Date Completed :** 9 May 24 **Logged by :** OP **Date :** 18 Jul 24

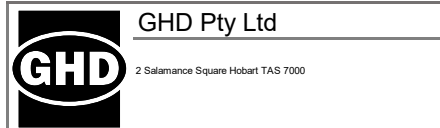
DRILLING				MATERIAL					ADDITIONAL DATA					
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		6		5.20 (18.10)		DOLERITE, grey-brown to blue-grey, Fe Sn on joints	MW			0		Is(50)	Is(50) (8.0m) = 6.66 MPa	
		7					MW - SW	VH	37			Is(50)	5.3m: Jt, 30°, Un, Rf, Fe Sn 5.35m: Jt, 10°, Un, Rf, Fe Sn 5.54m: Jt, 10°, Un, Rf, Fe Sn 5.6m: Jt, 0°, Pln, Rf, Fe Sn 5.61m: Jt, 70°, Cu, Rf, Fe Sn Is(50) (5.8m) = 6.12 MPa 5.83m: Jt, 10°, Pln, Rf, Fe Sn 5.88m: Jt, 10°, Pln, Rf, Fe Sn 5.95m: Jt, 10°, Pln, Rf, Fe Sn 6.01m: Jt, 10°, Pln, Rf, Fe Sn 6.08m: Jt, 10°, Pln, Rf, Fe Sn	6
	HQ Coring	8		6.30 (17.00)		blue-grey, slight Fe Sn on joints	SW - Fr	VH - EH	89			Is(50)	6.25m: Jt, 10°, Pln, Rf, Fe Sn 6.28m: WSm, 10mm, clay 6.43m: Jt, 10°, Pln, Rf, Fe Sn Is(50) (6.5m) = 5.5 MPa 6.56m: Jt, 40°, Pln, Rf, Fe Sn 6.65m: Jt/WSm, 0°, 10mm, Fe Sn 6.73m: Jt, 10°, Cu, Rf, Fe Sn 6.75 - 7.9m: Healed defects broken to fit into core box	7
				7.90 (15.40)		EOH at 7.9m - target depth reached. End of hole at 7.9 metres.						Is(50)	Is(50) (7.0m) = >10 MPa (unable to break)	7
													Soil cased upon completion. Gatic cover installed for protection.	8

GEO CORE LOG SHEET 12626209.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 30/7/24

See standard sheets for details of abbreviations & basis of descriptions



Job No.
12626209



Job Number 12626209	A4	Title Charles Hand Park	Client Department of State Growth
BH_C02A		Photographic Record	