

SOIL LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH05
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 1 OF 4
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	
Position : 577370.0 E, 5233862.0 N MGA20\	Surface RL : 55.70m
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100
Date Started : 2 May 23	Date Completed : 2 May 23
Angle from Horiz. : 90°	Processed : K.I
Logged by : K.I	Checked : JRN
Date : 2 Aug 23	

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)
	Hollow Flight Auger				0.40 (55.30)		FILL : Silty GRAVEL with sand, fine to medium, subangular to angular, MW-SW dolerite, VH strength, pale brown, to dark grey, silt is low plasticity, sand is fine grained, w-PL	ML	M (St)			
					0.50 (55.20)		Silty GRAVEL, fine to medium, subangular to angular, HW-MW siltstone, pink and yellow, silt is low plasticity, w-PL, rootlets (RS/XW Siltstone)	GM	M (MD)			
					0.80		SILTSTONE, pale grey, Fe staining, HW, VL strength		-			
1							Start of coring at 0.8 metres. See Core Log Sheet for cored interval.			SPT	SPT1 (0.8 m) 10* N = R, Hammer bounce from 0.8m	1
2												2
3												3
4												4
5												5

GEO SOIL BOREHOLE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/8/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck

LOCATION No. BH05

SHEET 2 OF 4

Position : 577370.0 E, 5233862.0 N MGA20\ **Surface RL :** 55.70m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling **Rig Type :** Hydrapower Trekker 2100 **Checked :** JRN
Date Started : 2 May 23 **Date Completed :** 2 May 23 **Logged by :** K.I **Date :** 2 Aug 23

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	20 80 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)
				0.80 (54.90)		Start of coring at 0.8 metres. See Soil Log Sheet for soil interval. SILTSTONE, pale grey, Fe staining, sandy lenses	MW	H-VH		73				
1		1											1.14 m: Jt, 25°, So, Pln, Fe, Sn	
													1.53 m: Jt, 20°, So, Pln, Fe, Sn	
													1.72 m: Pt, 10°, Rf, Pln, Fe, Sn	
2		2								51		PL	1.8 - 1.9 : too disturbed to log defects Sandy SILT, low plasticity, sand is fine grained 2.0 m: Is(50) = 2.7 MPa	
													2.39 m: Pt, 10°, So, Un, Fe, Sn	
													2.49 m: Pt, 5°, So, Pln, Fe, Sn	
													2.52 m: Pt, 0-5°, So, Pln, Fe, Sn	
													2.62 m: Jt, 30°, So, Un, Fe, Sn	
													2.7 m: Is(50) = 1.77 MPa	
													2.78 m: Pt, 10°, So, Pln, Fe, Sn	
													2.8 m: Is(50) = 3.77 MPa	
													2.9 m: Is(50) = 2.6 MPa	
3		3											3.1 m: Jt, 90°, So, Pln, Fe, Sn	
													3.14 m: Pt, 25°, So, Pln, Fe, Sn	
													3.16 m: Jt, 75°, So, Pln, Fe, Sn	
													3.23 m: Pt, 10°, So, Pln, Fe, Sn	
													3.32 - 3.33 m : WSm, SILT, low plasticity	
													3.37 m: Pt, 10°, So, Pln, Cn	
						colour change to dark grey	SW			51			3.6 m: Pt, 0-5°, So, Pln, Cn	
													3.62 m: Pt, 0-5°, So, Pln, Cn	
													3.64 m: Pt, 0-5°, So, Pln, Cn	
													3.78 m: Pt, 5°, So, Pln, Cn	
													3.87 m: Pt, 0-5°, So, Pln, Cn	
													3.94 m: Jt, 90°, So, Pln, Cn	
													3.97 m: Pt, 10°, So, Pln, Cn	
													4.0 m: Pt, 10°, So, Pln, Cn	
													4.1 m: Pt, 0-5°, So, Pln, Cn	
													4.24 m: Pt, 0-5°, So, Pln, Cn	
													4.26 m: Pt, 0-5°, So, Pln, Cn	
													4.29 m: Pt, 0-5°, So, Pln, Cn	
													4.34 m: Pt, 0-5°, So, Pln, Cn	
													4.35 m: Pt, 0-5°, So, Pln, Cn	
													4.38 m: Pt, 0-5°, So, Pln, Cn	
													4.44 m: Pt, 0-5°, So, Pln, Cn	
													4.5 m: Pt, 0-5°, So, Pln, Cn	
													4.74 m: Pt, 0-5°, So, Pln, Cn	
													4.8 m: Pt, 0-5°, So, Pln, Cn	

See standard sheets for
**details of abbreviations
 & basis of descriptions**



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.

12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH05	
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 3 OF 4	
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	Position : 577370.0 E, 5233862.0 N MGA20\	Surface RL : 55.70m
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100	Angle from Horiz. : 90°
Date Started : 2 May 23	Date Completed : 2 May 23	Processed : K.I
	Logged by : K.I	Checked : JRN
		Date : 2 Aug 23

DRILLING				MATERIAL					ADDITIONAL DATA			
SCALE (m)	Method	Run	Water	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	Additional Data Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
6		4						66			5.07 m: Pt, 0-5°, So, Pln, Cn 5.08 m: Pt, 0-5°, So, Pln, Cn 5.09 m: Pt, 0-5°, So, Pln, Cn 5.1 m: Pt, 0-5°, So, Pln, Cn 5.11 m: Pt, 6°, So, Pln, Cn 5.12 m: Jt, 40°, So, St, Fe, Sn 5.14 m: Jt, 45°, So, St, Fe, Sn 5.17 m: Pt, 10°, So, Pln, Fe, Sn 5.38 m: Jt, 35°, So, Un, Cn 5.55 m: Jt, 30°, So, Un, Cn	6
7		5			VH		87			PL PL	5.9 m: Pt, 10°, So, Pln, Cn 5.93 m: Pt, 30°, So, Pln, Cn 6.07 - 6.09 m : WSm, Sandy SILT, low plasticity 6.37 m: Pt, 6°, So, Pln, Cn 6.41 m: Is(50) = 1.37 MPa 6.45 m: Is(50) = 6.1 MPa 6.68 m: Pt, 10°, So, Pln, Cn	7
8	HQ Coring						77				7.03 - 7.07 m : WSm, Sandy SILT, low plasticity 7.29 m: Pt, 10°, So, Pln, Cn 7.46 m: Jt, 35°, So, Pln, Cn	8
9		6									7.95 m: Jt, 45°, So, Un, Cn 8.2 m: Pt, 7°, So, Pln, Cn 8.46 m: Pt, 0-5°, Rf, Pln, Cn 8.47 m: Pt, 0-5°, Rf, Pln, Cn 8.5 m: Pt, 0-5°, Rf, Pln, Cn 8.52 m: Pt, 0-5°, Rf, Pln, Cn 8.58 m: Pt, 0-5°, Rf, Pln, Cn 8.61 m: Pt, 0-5°, Rf, Pln, Cn 8.64 m: Pt, 0-5°, Rf, Pln, Cn 8.65 m: Pt, 0-5°, Rf, Pln, Cn 8.67 m: Pt, 0-5°, Rf, Pln, Cn 8.68 m: Pt, 0-5°, Rf, Pln, Cn	9
10		7					100				9.14 m: Pt, 10°, Rf, Pln, Fe, Sn 9.17 m: Pt, 12°, Rf, Pln, Fe, Sn 9.24 m: Pt, 10°, Rf, Pln, Fe, Sn 9.27 m: Pt, 10°, Rf, Pln, Fe, Sn	10

GEO CORE LOG SHEET_12592496.GPJ_GHD_GEO_TEMPLATE_TASMANIA.GDT_7/6/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH05
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 4 OF 4
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	
Position : 577370.0 E, 5233862.0 N MGA20\	Surface RL : 55.70m
	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100
Date Started : 2 May 23	Date Completed : 2 May 23
	Logged by : K.I
	Processed : K.I
	Checked : JRN
	Date : 2 Aug 23

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	Additional Data Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		7		10.10 (45.60)	---	Target depth reached End of hole at 10.1 metres.			100			PI	10.06 m Is(50) = 3.06 MPa	
11														11
12														12
13														13
14														14
15														15

GEO CORE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/6/23

See standard sheets for details of abbreviations & basis of descriptions




GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496



✗ indicates drilling/handling break

Prepared By Kia.I	Date 08-May-23	Job Number 12592496	A4	Title Photographic Log BH05	Client Parks and Wildlife Service	
Revision A	Date				Project Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	
					Figure No	

SOIL LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH06
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 1 OF 4
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	
Position : 577361.0 E, 5233863.0 N MGA20\	Surface RL : 56.00m
	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100
Date Started : 2 May 23	Date Completed : 3 May 23
	Logged by : K.I/U.P
	Processed : K.I
	Checked : JRN
	Date : 2 Aug 23

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)
	Hollow Flight Auger				0.80		Sandy SILT trace gravel, low plasticity, pale to dark brown, sand is fine to coarse grained, gravel is fine to medium, subangular to angular, abundant organic material, wood fragments, w-PL (RS/XW Siltstone)	ML	M	(St)			
1							Start of coring at 0.8 metres. See Core Log Sheet for cored interval.						1
2													2
3													3
4													4
5													5

GEO SOIL BOREHOLE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/8/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH06		
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 2 OF 4		
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	Position : 577361.0 E, 5233863.0 N MGA20\	Surface RL : 56.00m	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100	Processed : K.I	Checked : JRN
Date Started : 2 May 23	Date Completed : 3 May 23	Logged by : K.I/U.P	Date : 2 Aug 23

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	0.80 (55.20)		Start of coring at 0.8 metres. See Soil Log Sheet for soil interval. SILTSTONE, pale grey, Fe staining, sandy lenses	MW	H-VH	67			PL PL	0.89m: Is(50) = 2.22 MPa 0.92m: Is(50) = 3.13 MPa	1
2	2							70			1.13 - 1.17 m : too disturbed to log defects 1.35 m: Jt, 70°, Rf, Pln, Fe, Sn 1.5 m: Jt, 70°, Rf, Pln, Fe, Sn 1.6 m: Pt, 10°, Rf, Pln, Fe, Sn 1.7 m: Jt, 70°, Rf, Pln, Fe, Sn 1.85 m: Jt, 70°, Rf, Pln, Fe, Sn	2
3	3				XW MW	Soil H-VH					2.1 - 2.17 m : WSm, Sandy SILT, trace gravel, low plasticity 2.71 m: Pt, 0-5°, Rf, Pln, Fe, Sn 2.73 m: Pt, 5°, Rf, Pln, Fe, Sn 2.76 m: Pt, 7°, Rf, Pln, Fe, Sn 2.86 m: Pt, 7°, Rf, Pln, Fe, Sn	3
4	3	3.50 (52.50)		colour change to dark grey, reduced Fe staining	SW			87		PL PL	3.1 - 3.3 m: Jt, 75-85°, Rf, Un, Fe, Sn 3.38 m: Jt, 5°, Rf, Pln, Fe, Sn, discontinuous 3.55 m: Is(50) = 3.13 MPa 3.56 m: Pt, 5°, Rf, Pln, Cn 3.6 m: Is(50) = 5.56 MPa 3.7 m: Pt, 5°, Rf, Pln, Cn 3.85 m: Pt, 5°, Rf, Pln, Cn 3.9 m: Pt, 5°, Rf, Pln, Cn 4.08 m: Pt, 5°, Rf, Pln, Cn 4.44 m: Pt, 5°, Rf, Pln, Cn 4.66 m: Pt, 5°, Rf, Pln, Cn 4.73 m: Pt, 5°, Rf, Pln, Cn	4
5												5

GEO CORE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/6/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH06		
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 3 OF 4		
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	Position : 577361.0 E, 5233863.0 N MGA20\	Surface RL : 56.00m	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100	Processed : K.I	Checked : JRN
Date Started : 2 May 23	Date Completed : 3 May 23	Logged by : K.I/U.P	Date : 2 Aug 23

DRILLING				MATERIAL					ADDITIONAL DATA			
SCALE (m)	Method	Run	Water	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					87				5.31 m: Pt, 5°, Rf, Pln, Cn 5.42 m: Pt, 5°, Rf, Pln, Cn 5.55 m: Pt, 5°, Rf, Pln, Cn 5.66 m: Pt, 5°, Rf, Pln, Cn	6
7		5					97			PL PL	6.33 m: Pt, 5°, Rf, Pln, Cn 6.39 m: Pt, 5°, Rf, Pln, Cn 6.45 m: Pt, 5°, Rf, Pln, Fe, Sn 6.7 m: Pt, 5°, Rf, Un, Cn 6.75 m: Is(50) = 1.91 MPa 6.78 m: Is(50) = 5.51 MPa	7
8	HQ Coring						93				7.3 m: Pt, 5°, Rf, Pln, Cn 7.34 m: Pt, 5°, Rf, Pln, Fe, Sn	8
9		6									8.43 m: Pt, 5°, Rf, Pln, Cn 8.52 m: Pt, 5°, Rf, Un, Cn 8.73 m: Pt, 5°, Rf, Un, Cn 8.76 m: Pt, 5°, Rf, Pln, Cn	9
10		7					100				8.96 m: Pt, 5°, Rf, Pln, Cn 9.01 m: Pt, 5°, Rf, Pln, Cn 9.03 m: Pt, 5°, Rf, Pln, Cn 9.77 m: Pt, 5°, Rf, Pln, Fe, Sn	10

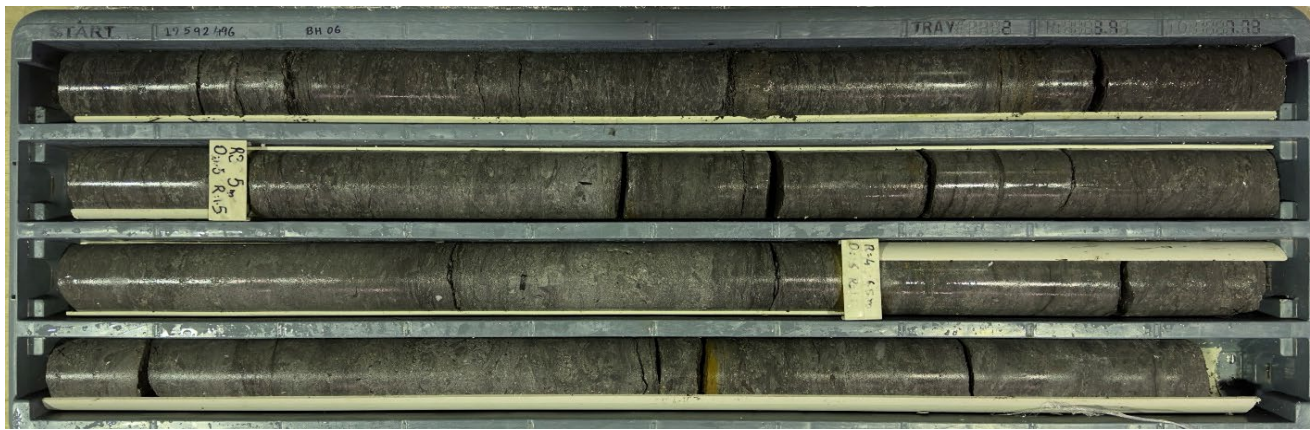
GEO CORE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/6/23


See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS



Job No.
12592496



Prepared By Kia.I	Date 08-May-23	Job Number 12592496	A4	Title Photographic Log BH06	Client Parks and Wildlife Service	
Revision A	Date				Project Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	
					Figure No	

SOIL LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH07
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 1 OF 4
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	
Position : 577417.0 E, 5233860.0 N MGA20\	Surface RL : 56.70m
	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100
Date Started : 3 May 23	Date Completed : 4 May 23
	Logged by : U.P
	Processed : K.I
	Checked : JRN
	Date : 2 Aug 23

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)
	Hollow Flight Auger				0.40 (56.30)		FILL : GRAVEL with silt and sand, fine to coarse, subangular to angular, MW-SW dolerite, VH strength, grey to brown, silt is low plasticity	GP	M	(MD)			1
					0.60		Silty GRAVEL, fine to coarse, subangular to angular, MW-HW siltstone, pale to dark brown, silt is low plasticity, w-PL (RS/XW Siltstone)	ML	M	(St)			2
							Start of coring at 0.6 metres. See Core Log Sheet for cored interval.						3
													4
													5

GEO SOIL BOREHOLE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/8/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH07
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 2 OF 4
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	
Position : 577417.0 E, 5233860.0 N MGA20\	Surface RL : 56.70m
	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100
Date Started : 3 May 23	Date Completed : 4 May 23
	Logged by : U.P
	Processed : K.I
	Checked : JRN
	Date : 2 Aug 23

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	Additional Data Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
				0.60 (56.10)		Start of coring at 0.6 metres. See Soil Log Sheet for soil interval. SILTSTONE, pale grey, Fe staining, sandy lenses	MW	H-VH	86				0.6 - 0.7 m: Drilling Breaks 0.7 m: Pt, ~5°, Rf, Pln, Fe, Sn	
1		1											1.32 m: Pt, ~5°, Rf, Pln, Fe, Sn	1
2		2	GNO						97				1.8 - 1.85 m: Drilling Breaks	2
3	HQ Coring	3										PL	2.35 m: Pt, ~5°, Rf, St, Fe, Sn 2.65 m: Pt, ~5°, Rf, Pln, Fe, Sn 2.95 m: Is(50) = 2.2 Mpa	3
4		4							87			PL	3.12 m: Pt, ~5°, Rf, Pln, Fe, Sn 3.19 m: Pt, ~5°, Rf, Pln, Fe, Sn 3.21 m: Pt, ~5°, Rf, Un, Fe, Sn 3.61 m: Pt, ~5°, Rf, Pln, Fe, Sn 3.72 m: Pt, ~5°, Rf, Pln, Fe, Sn 3.8 m: Pt, ~5°, Rf, Pln, Fe, Sn 3.9 m: Pt, ~5°, Rf, Pln, Fe, Sn 3.92 m: Is(50) = 3.2 MPa 3.99 m: Pt, ~5°, Rf, Pln, Fe, Sn 4.13 m: Pt, ~5°, Rf, Pln, Fe, Sn 4.34 m: Pt, ~5°, Rf, Pln, Fe, Sn	4
5		5							87					5

GEO CORE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/6/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH07		
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 3 OF 4		
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	Position : 577417.0 E, 5233860.0 N MGA20\	Surface RL : 56.70m	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100	Processed : K.I	Checked : JRN
Date Started : 3 May 23	Date Completed : 4 May 23	Logged by : U.P	Date : 2 Aug 23

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	20 80 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		6.40 (50.30)		reduced Fe staining	SW			86		PL 5.79 m: Pt, ~5°, Rf, Pln, Fe, Sn 5.83 m: Is(50) = 4.1 MPa	6	
7		5										PL 6.06 m: Pt, ~5°, Rf, Un, Fe, Sn 6.1 - 6.2 m: CSm: Silty GRAVEL, fine to coarse, angular to subangular, silt is low plasticity, orange grey 6.24 m: Is(50) = 3.7 Mpa	7	
8	HQ Coring									96		PL 7.67 m: Jt, ~5°, Rf, Pln, Cn 7.73 m: Jt, ~5°, Rf, Pln, Cn	8	
9		6										PL 8.2 m: Jt, ~5°, Rf, Un, Fe, Sn 8.35 m: Jt, ~5°, Rf, Un, Fe, Sn	9	
10		7								100		PL 8.64 m: Jt, ~5°, Rf, Pln, Fe, Sn 8.7 m: Jt, ~5°, Rf, Pln, Fe, Sn 8.73 m: Jt, ~5°, Rf, Pln, Fe, Sn	10	
												PL 9.01 m: Jt, 15-5°, Rf, St, Cn 9.11 m: Jt, ~5°, Rf, Pln, Fe, Sn		
												PL 9.4 m: Jt, ~5°, Rf, Pln, Cn 9.55 m: Is(50) = 4.4 MPa 9.61 m: Is(50) = 3.9 MPa 9.71 m: Is(50) = 2.9 MPa		

GEO CORE LOG SHEET_12592496.GPJ_GHD_GEO_TEMPLATE_TASMANIA.GDT_7/6/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH07
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 4 OF 4
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	
Position : 577417.0 E, 5233860.0 N MGA20\	Surface RL : 56.70m
	Angle from Horiz. : 90°
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100
Date Started : 3 May 23	Date Completed : 4 May 23
	Logged by : U.P
	Processed : K.I
	Checked : JRN
	Date : 2 Aug 23

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	Additional Data Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		7		10.10 (46.60)	---	Target depth reached End of hole at 10.1 metres.			100					
11														11
12														12
13														13
14														14
15														15

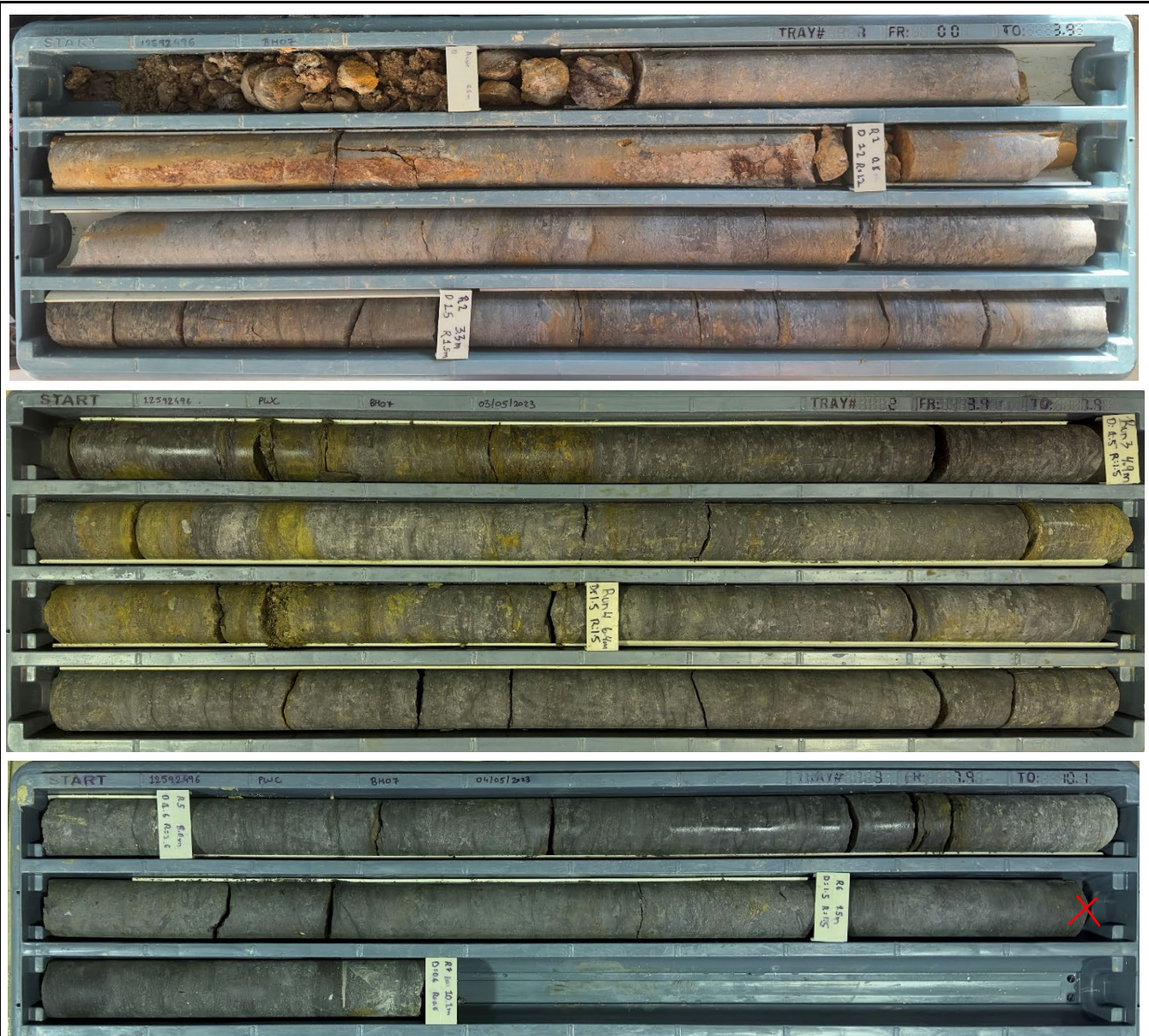
GEO CORE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/6/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496





X indicates drilling/handling break

Prepared By Kia.I	Date 08-May-23	Job Number 12592496	Title A4 Photographic Log BH07	Client Parks and Wildlife Service	
Revision A	Date			Project Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	
				Figure No	

SOIL LOG SHEET

Client :	Tasmania Parks and Wildlife Service	LOCATION No. BH08	SHEET 1 OF 3
Project :	Parks - TA/DK Geotech Assess of Sites 10, 16 & 17		
Location :	Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck		
Position :	577423.0 E, 5233876.0 N MGA20\	Surface RL : 58.10m	Angle from Horiz. : 90°
Contractor :	KMR Drilling	Rig Type : Hydrapower Trekker 2100	Processed : K.I
Date Started :	4 May 23	Date Completed : 4 May 23	Checked : JRN
		Logged by : U.P/JRN	Date : 2 Aug 23

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)
	Hollow Flight Auger				0.40 (57.70)		FILL : GRAVEL with silt and sand, fine to coarse, subangular to angular, MW-SW dolerite, VH strength, dark brown to grey, silt is low plasticity	GP	M	(MD)		
					0.80		SILT with gravel and sand, low plasticity, pale to dark brown, gravel is fine to coarse, subangular to subrounded, w-PL (RS-XW Siltstone)	ML	M	(St)		
							Start of coring at 0.8 metres. See Core Log Sheet for cored interval.					

GEO SOIL BOREHOLE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/8/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH08		
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17			
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	SHEET 2 OF 3		
Position : 577423.0 E, 5233876.0 N MGA20\	Surface RL : 58.10m	Angle from Horiz. : 90°	Processed : K.I
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100	Checked : JRN	
Date Started : 4 May 23	Date Completed : 4 May 23	Logged by : U.P/JRN	Date : 2 Aug 23

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)
				0.80 (57.30)	X	Start of coring at 0.8 metres. See Soil Log Sheet for soil interval. CORE LOSS (200mm)	-	-		0				
1		1		1.00 (57.10)	○ ○ ○ ○	GRAVEL, medium to coarse, subangular, medium dense, moist, pale grey (RS-XW Siltstone)	RS-XW	Soil						
				1.15 (56.95)	○ ○ ○ ○	Gravelly SILT, low plasticity, w-PL, stiff, mottled brown and grey, gravel is fine to medium, subrounded (RS-XW Siltstone)	RS-XW	Soil						
				1.40 (56.70)	— — — —	SILTSTONE, pale grey, Fe staining, disturbed bedding, sandy lenses, rip up clasts	HW	L-M		8			1.4 - 1.5 m: Drilling/handling breaks	
				1.50 (56.60)	X	CORE LOSS (100mm)	-	-					1.6 - 1.8 m: Drilling/handling breaks	
				1.60 (56.50)	— — — —	SILTSTONE, pale grey, Fe staining, disturbed bedding, sandy lenses, rip up clasts	HW	L-M					1.88 m: Jt, Rf, Pln, Fe, Sn	
2		2					MW	H-VH					2.6 m: Jt, Rf, Pln, Fe, Sn	
				3.00 (55.10)	X	CORE LOSS (100mm)	-	-		60			3.13 m: Pt, 0-5°, Rf, Pln, Fe, Sn	
				3.10 (55.00)	— — — —	SILTSTONE, grey, Fe staining, disturbed bedding, sandy lenses, rip up clasts	MW	H-VH					3.2 m: Pt, 0-5°, Rf, Pln, Fe, Sn	
3		3								100		PL	3.54 m: Is(50) = 4.41 MPa 3.58 m: Is(50) = 4.59 Mpa	
4		4											3.97 m: Pt, 0-5°, Rf, Un, Fe, Sn	
				4.50 (53.60)	— — — —	reduction in Fe staining	SW						4.3 m: Pt, 0-5°, Rf, Un, Fe, Sn 4.38 m: Pt, 5°, Rf, Pln, Fe, Sn	
5													4.5 m: Jt, 90°, Rf, Pln, Fe, Sn 4.51 m: Pt, 5°, Rf, Pln, Fe, Sn 4.68 m: Pt, 5°, Rf, Pln, Fe, Sn	

GEO CORE LOG SHEET 12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/8/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service	LOCATION No. BH08	
Project : Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	SHEET 3 OF 3	
Location : Tasman Arch, Eaglehawk Neck Tasman Arch, Eaglehawk Neck	Position : 577423.0 E, 5233876.0 N MGA20\	Surface RL : 58.10m
Contractor : KMR Drilling	Rig Type : Hydrapower Trekker 2100	Angle from Horiz. : 90°
Date Started : 4 May 23	Date Completed : 4 May 23	Processed : K.I
	Logged by : U.P/JRN	Checked : JRN
		Date : 2 Aug 23

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)
5	HQ Coring	5							100				5.23 m: Pt, 0-5°, Rf, Pln, Fe, Sn 5.33 m: Pt, 0-5°, Rf, Pln, Fe, Sn 5.5 m: Pt, 0-5°, Rf, Pln, Fe, Sn 5.6 m: Pt, 0-5°, Rf, Pln, Fe, Sn 5.76 m: Pt, 0-5°, Rf, Pln, Fe, Sn 5.85 m: Pt, 5°, Rf, Pln, Fe, Sn 5.96 m: Pt, 0-5°, Rf, Un, Fe, Sn 6.09 m: Pt, 0-5°, Rf, Pln, Fe, Sn 6.38 m: Pt, 0-5°, Rf, Un, Fe, Sn 6.5 m: Pt, 0-5°, Rf, Pln, Fe, Sn 6.5 m: Is(50) = 3.6 MPa 6.68 m: Jt, 30°, Rf, St, Fe, Sn	6
6		6		7.05 (51.05)		drop stones			100			PL	6.99 m: Pt, 5°, Rf, Pln, Fe, Sn 7.25 m: Pt, 5°, Rf, Pln, Fe, Sn	7
7				7.70 (50.40)		Target depth reached End of hole at 7.7 metres.						PL PL PI	7.5 m: Is(50) = 3.82 MPa 7.54 m: Pt, 5°, Rf, Pln, Fe, Sn 7.6 m: Pt, 0-5°, Rf, Pln, Fe, Sn 7.6 m: Is(50) = 3.4 MPa 7.66 m: Is(50) = 1.3 MPa	8
8														9
9														10

GEO CORE LOG SHEET_12592496.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 7/6/23

See standard sheets for details of abbreviations & basis of descriptions



GHD
 2 Salamanca Square Hobart TAS 7001, Hobart TAS 7000
 T: +61 3 6210 0600 F: +61 3 6210 0601 E: Hobart1@ghd.com
 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12592496



✗ indicates drilling/handling break

Prepared By Kia.I	Date 08-May-23	Job Number 12592496	Title A4 Photographic Log BH08	Client Parks and Wildlife Service	
Revision A	Date			Project Parks - TA/DK Geotech Assess of Sites 10, 16 & 17	
				Figure No	