

Project: **PHES STG 1** Hole commenced: **31 JAN 20** Completed: _____
Borehole location: **ROWALLAN** Supervised by: **LV** Checked by: _____

Drill model and mounting: **KL 800 Track Mounted** Fluid: **H₂O** Company: **TDS**
Barrel type and length: **HQ3 4.1m barrel** Bearing: **Vertical** Slope: _____ Driller: **A PKE**

Method/c-lift	Water	RL depth (m)	Graphic log core loss	Rock descriptions: ROCK NAME, grain size and type, colour, texture (porphyritic, amorphous, glassy) and fabric (distinct/indistinct bedding, lamination, foliation, cleavage), inclusions or minor components, moisture content, durability	Weathering	Strength	Defect spacing (mm)	RQD %	Rock mass descriptions (vertical) and significant defect descriptions (horizontal): defect type, orientation relative to core axis, shape, roughness, coating, aperture or thickness and composition
RR				QUARTZITE - Continued	FR				
				incl. 290.00 - 293.50 of 292.95 - 290.60					290.15, 290.60, 291.80, 292.30, 293.10, 293.50, 293.80, 294.20, 294.50, 294.60, 294.90, 295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		291	G					64	295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		292	G					100	295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		293	G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		294	G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		295	G					66	295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		296	G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		297	G					65	295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		298	G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
		299	G					87	295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING
			G						295.10, 295.40, 296.15, 296.65, 297.10, 297.40, 297.50, 298.25, 299.15, 299.70, 299.75, 299.90. PARTING

KEY	Case-lift	Graphic log/ core loss	Weathering	Rock material strength
Method SO sonic drilling AD auger drilling HFA hollow RR roller/tricone W _{size} washbore DC _{size} diamond drilling	<p>casing used barrel withdrawn 6 May 20 water level, date shown water inflow partial drilling water loss complete drilling water loss</p>	<p>core recovered (hatching indicates material) no core recovered (NCR) Grain size (mm) fine medium coarse 0.06 to 0.2 0.2 to 0.6 0.6 to 2 SED mainly <0.06 0.06 to 2 mainly >2 IG/MET</p>	<p>RS Residual soil XW Extremely weathered HW Highly weathered MW Moderately weathered SW Slightly weathered Fr Fresh DW = distinctly weathered</p>	<p>(Is(50) in MPa) VL Very low [0.3 to 0.1] L Low [0.1 to 0.3] M Medium [0.3 to 1] H High [1 to 3] VH Very high [3 to 10] EH Extremely high [10+] x Point Load Test</p>