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TEST PIT: TPUA-21

Sheet 1 of 1

Project: Pioneer-Burdekin PHES

Location: Netherdale/Dalrymple Heights

Client: Queensland Hydro

Job No.: PS138693

Position: Upper Reservoir

Coords: 658111.5 m E 7668107.3 m N MGA2020-55

Contractor: Graeme Harte

Machine: 16t excavator Bucket Size: 0.9 m toothed

Date: 13/6/2024

Logged: PT

Excavation				Sampling		Field Material Description											
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	DCP TEST					
												Blows per 100 mm					
												0	5	10	15	20	25
			0.0	0.10	D 0.00-0.10 m			CI	TOPSOIL Sandy CLAY: medium plasticity, dark brown, sand is fine to medium grained.	w=PL	F						
							CL-ML	Clayey SILT: low to medium plasticity, brown and red brown, with fine to medium grained sand; (RESIDUAL SOIL).		St							
E			0.5		B 1.00-1.30 m												
										VSt							
E			1.0		D 1.60-1.70 m												
E			1.5	1.40	B 3.10-3.40 m				Extremely to highly weathered granite corestones, cobble sized.		St						
E			2.0		D 3.60-3.70 m												
E			2.5	2.30	B 4.40-4.70 m				Pale brown, trace fine grained sand.								
F-H			3.0		D 4.70-4.80 m												
F-H			3.5														
F-H			4.0	3.60				CI	Silty CLAY: low plasticity, red brown, trace fine grained sand; (grading to EXTREMELY WEATHERED MATERIAL).	w<PL							
F-H			4.5														
F-H			5.0														

Comments

Hole Terminated at 5.00 m
Target depth. Backfilled.

Checked GEM

Date 30/11/2024

WSP-AU 5.06.1 LUB GLB Log IS AU TEST PIT 3C PIONEER_NIP_20240608 TH_GEM_04072024.GPJ <<DrawingFile>> 8/7/2024 19:29 10.03.00.09 Datagel Lab and In Situ Tool - DGD | Lib: WSP 5.06.1 2023-09-13 Proj: WSP 5.04.1 2023-06-14



TPUA-21 - 1: Test pit excavation



TPUA-21 - 2: Test pit excavated spoil

P:\BPHE\LIB\GLB_G4\74 PHOTO TEST PIT 2 PER PAGE A4P TPUA-08.GPJ - <DrawingFile> 23/5/2024 09:57 10/03/00/08 D:\gep\Lab and in Situ_Tod - DGD [Lib: WSP 5.07 2 2023-10-30 Proj: WSP 5.04 1 2023-06-14



TITLE
Queensland Hydro
Netherdale
Pioneer-Burdekin Pumped Hydro Energy
Storage
Photos - TPUA-21

DRAWN	TH	DATE	8/7/2024
CHECKED	GEM	DATE	30/11/2024
SCALE	Not To Scale		A4
PROJECT No	PS138693	FIGURE No	1/1