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TEST PIT: TPL-05

Project: Pioneer-Burdekin PHES

Location: Netherdale/Dalrymple Heights

Client: Queensland Hydro

Job No.: PS138693

Position: Lower Reservoir

Coords: 657558.0 m E 7667449.5 m N MGA2020-55

Contractor: Seaforth Civil

Machine: Backhoe Bucket Size: 0.6 m toothed

Sheet 1 of 1

Date: 19/4/2024

Logged: NW/LH

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									
BH	E	F-H	0.0	0.05	B 0.00-0.05 m D 0.00-0.05 m B 0.05-0.35 m D 0.05-0.35 m			ML SM	TOPSOIL SILT: non-plastic to low plasticity, pale dark brown, trace low to medium plasticity clay; trace fine grained sand.		w<PL	F																
				0.35	B 0.35-0.55 m D 0.35-0.55 m			ML	FILL Silty SAND: fine to medium grained, brown, trace fine grained gravel; with rootlets.		D - M	MD - D																
	0.5		0.60	B 0.35-0.55 m D 0.35-0.55 m	ML	Sandy SILT: non-plastic to low plasticity, dark brown, sand is fine grained; with low to medium plasticity clay; trace rootlets (ALLUVIAL SOIL).		w<PL	VSt																			
			0.80	B 0.80-1.00 m D 0.80-1.00 m B 0.90-1.30 m	GM	Sandy Silty GRAVEL: fine to coarse, sub-rounded to sub-angular, pale-brown, sand is fine to coarse grained; with cobbles up to 200mm in diameter (ALLUVIAL SOIL).		D - M	D - VD																			
	1.0																											
	1.5																											
	2.0																											
	2.10																											
										Hole Terminated at 2.10 m Terminated due to sidewall collapse and groundwater ingress. Backfilled.																		

Comments

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 19:27 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




TPL-05 - 1: Test pit excavation - sidewall collapse occurring at depth of water inflow



TPL-05 - 2: Test pit excavated spoil

P:\PHES\LIB\GLB_G4\T4 PHOTO TEST PIT 2 PER PAGE A4P TPL-05.GPJ --DrawingFile--> 22/5/2024 10:12 10.03.00.09 D:\egil Lab and In Situ Test - 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 - TPL-05	DRAWN TH		DATE 22/5/2024		
		CHECKED GEM		DATE 30/11/2024		
		SCALE Not To Scale				A4
		PROJECT No PS138693			FIGURE No 1/1	