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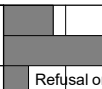


# TEST PIT: TPL-12

Project: Pioneer-Burdekin PHES  
Location: Netherdale/Dalrymple Heights  
Client: Queensland Hydro  
Job No.: PS138693

Position: Netherdale  
Coords: 661161.9 m E 7661816.9 m N MGA2020-55  
Surface RL: 140.6 m AHD  
Contractor: Seaforth Civil  
Machine: Hitachi Zaxis 135US Bucket Size: 900mm toothed

Sheet 1 of 1  
Date: 5/12/2023  
Logged: AV

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 (AS 1289.6.3.2-1997) Blows per 100 mm						
													0	5	10	15	20	25	
E	F-H		0.0	140.56	D 0.90-1.00 m PB-TPL-12-001 ES 0.90-1.00 m PB-TPL-12-002  B 1.90-2.00 m PB-TPL-12-003 ES 1.90-2.00 m PB-TPL-12-004			SP	TOPSOIL Gravelly SAND: fine to coarse grained, brown, gravel is fine to coarse grained, sub-rounded to sub-angular; trace up to 80 mm cobbles.	D	D - VD								
			0.30	140.26				SP	Gravelly SAND: fine to coarse grained, pale brown mottled orange, gravel is fine to coarse grained sub-rounded to sub-angular, brown; with non-plastic silt; (ALLUVIAL SOIL).		MD	Refusal on hard object							
			1.00	139.56				GP	MIXTURE OF Sandy GRAVEL AND COBBLES: gravel is fine to coarse, poorly graded, sub-rounded, brown mottled orange and grey, sand is fine to coarse grained sub-rounded to sub-angular, brown; with cobbles of point load strength index - Is(50) ranging 9.70 to 13.00 MPa; trace non-plastic silt; Cobbles is to 100 mm, sub-angular, mostly clast supported (ALLUVIAL SOIL).		D - VD								
			1.50						M										
			2.00	138.56															
Comments																			Checked GEM Date 9/10/2024



TPL-12 - 1 Test pit excavation - sidewall collapse occurring below 0.7 m below ground level



TPL-12 - 2 Test pit excavated spoil

P:\PBPHES\LIB\GLB\_G4\74 PHOTO TEST PIT 2 PER PAGE AAP TPL-12.GPJ --DrawingFile-- 5/6/2024 10:45 10.03.00.09 D:\ppl\Lab and in Situ Tool - DGD Lib: WSP 5.07 2 2023-10-30 Ppl: WSP 5.04.1 2023-06-14



TITLE	Queensland Hydro		
	Netherdale		
	Pioneer-Burdekin Pumped Hydro Energy		
	Storage		
	TPL-12		

DRAWN	TH	DATE	6/06/2024
CHECKED	GEM	DATE	6/06/2024
SCALE	Not To Scale		A4
PROJECT No	PS138693	FIGURE No	1/1