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# GEOTECHNICAL BOREHOLE LOG BH02

In Accordance with AS1726:2017

Geotechnical Investigation  
B-N Rd and Maudsland Rd  
Mount Nathan, QLD  
17820.000.001

Client : Roadtek  
Date : 1/10/2020  
Hole Depth : 5 m  
Core Diameter : 52 mm  
Drilling Method : Mud Rotary

Drilling Contractor : Redlands Ltd  
Logged/Reviewed By : AK/SF  
Easting/Northing (MGA94) : 526970.17 / 6906901.74  
Page :  
Datum/Surface RL : GHD/48.94 m

Depth (m BGL)	Drilling Method	Water Level	Elevation (RL)	TCR (%) / RQD (%)	Stratigraphic Unit	Group Symbol (USCS)	MATERIAL DESCRIPTION	Log Symbol	Weathering	Estimated Intact Strength	Average Defect Spacing (ISO14689:2017)	Additional Comments	Test Results
									Very Low Low Medium High Very High Extremely High	Extremely Close Very Close Close Medium Wide Very Wide			
1	Auger		48		Residual	ML	<b>Sandy SILT trace gravel (Residual)</b> Pale grey-brown, dry, stiff.						
2	SPT		47	100 / 26			<b>METAGREYWACKE (DCf)</b> XW: Recovered as silty clayey SAND with gravel. Pale grey-brown, dry, dense. <b>METAGREYWACKE (DCf)</b> HW: Grey-brown, fine to coarse grained, no distinct bedding or foliations, typically low strength, RQD (per RMU) = 0%. Frequent clay seams encountered throughout. <b>METAGREYWACKE (DCf)</b> MW: Grey-brown, fine to coarse grained, no distinct bedding or foliations, medium to high strength, RQD (per RMU) = 21%. Intermittent quartz veins encountered, < 2mm thick, discordant. Js: 5° to 30°, (7-9/m), Ro, TI - FL, Cly ct Js: 65° to 90°, (2-4/m), Ro, TI - FL, Cly ct, Fe stn	XW HW MW			2.19 m: XW 150mm gravelly silt.		
3	NMLC		46		Neranleigh - Fernvale Beds (DCf)			MW					I <sub>s(50)(D)</sub> = 1.5 MPa
4			45	100 / 20			<b>METAGREYWACKE (DCf)</b> SW: Grey, fine to coarse grained, massive, high strength, RQD (per RMU) = 41%. Js: 0° to 10°, (2-3/m), Ro, TI, Fe stn Js: 40° to 60°, (5-6/m), Ro, TI, Fe stn.	XW SW			3.49 m: Shear zone 100 mm clayey gravel. 3.7 m: XW 220 mm gravelly clay.		I <sub>s(50)(D)</sub> = 2.0 MPa
5			44										

Notes: End of Hole Depth : 5 m  
Borehole met target depth

GEOTECHNICAL BOREHOLE LOG - AU BH LOGS.GPJ NZ DATA TEMPLATE 2.GDT 2/11/20