

POINT LOAD STRENGTH OF ROCK TEST REPORT



Project : Ground Investigation for Northland Corridor
 Location : Alternative to Brynderwyn Hills Section
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Contractor : N/A
 Sampled by : NC Site Team
 Date sampled : 27/08/25
 Sampling method : Core
 Sample description : SANDSTONE
 Sample condition : As Received

Project No : 1-C2466.16
 Lab Ref No : WL4708/22-PL
 Client Ref No : -

Test Results

Lab Ref No :	1	Water Content and Density	
Location ID No :	BH2B_1104	Water content as received(%)	11.23
Depth (m) :	40.10-40.30	Water content at testing(%)	11.23
Test Type :	Axial	Bulk density (t/m ³)	2.56
Width, W (mm) :	60.04	Dry density (t/m ³)	2.30
Diameter, D (mm) :	45.62		
Load, P (kN)	0.25		
D _e ² (mm ²)	3487		
D _e (mm)	59.05		
I _s (MPa)	0.07		
Size Factor, F	1.08		
I _{s(50)} (MPa)	0.08		

Test Methods

Point Load Strength : ASTM D5731-16

Notes

Date tested : 10/10/25

Date reported : 18/12/25

This report may only be reproduced in full
 All information supplied by Client

Approved

Thirushen Pillay

Designation : Senior Civil Engineering Technician

Date : 07/01/26