

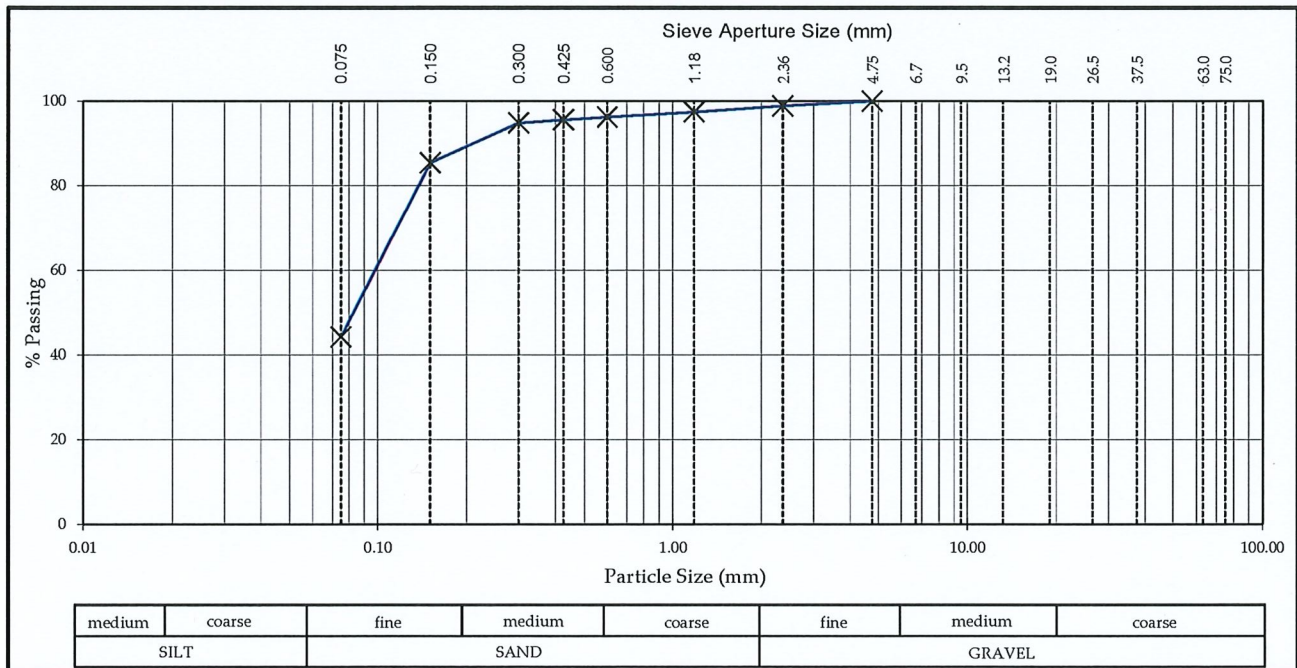
**WET SIEVE ANALYSIS
TEST REPORT**



Project : Ground Investigation for Northland Corridor
 Location : Section 2 Te Hana to Port Marsden Highway, Section 2B GI
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Contractor : -
 Sampled by : NC Site Team
 Date sampled : 8/10/25
 Sampling method : SPT
 Sample description : Refer to BH2B_1107 log report
 Sample condition : Natural; as excavated
 Testpit No : BH2B_1107
 Depth (m) : 7.50-7.95

Project No : 1-C2466.16
 Lab Ref No : WL4708/156-WS
 Client Ref No : -

Sieve Analysis							
Size (mm)	% Passing	Size (mm)	% Passing	Size (mm)	% Passing	Size (mm)	% Passing
75.00	-	19.00	-	4.75	100	0.425	96
63.00	-	13.20	-	2.36	99	0.300	95
37.50	-	9.50	-	1.18	97	0.150	85
26.50	-	6.70	-	0.600	96	0.075	44



Test Method	Notes
NZS 4407 : 2015 Test 3.8.1	History: As received Fraction tested: Whole Dispersant Used: None <i>Fraction passing finest sieve is by difference.</i>

Date tested : 27/11/25
 Date reported : 27/11/25

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.
 This report may only be reproduced in full

Approved Signatory

Designation : Senior Civil Engineering Technician
 Date : 27/11/25



Test results indicated as not accredited are outside the scope of the laboratory's accreditation

PARTICLE SIZE ANALYSIS (WET SIEVE METHOD)

TEST REPORT



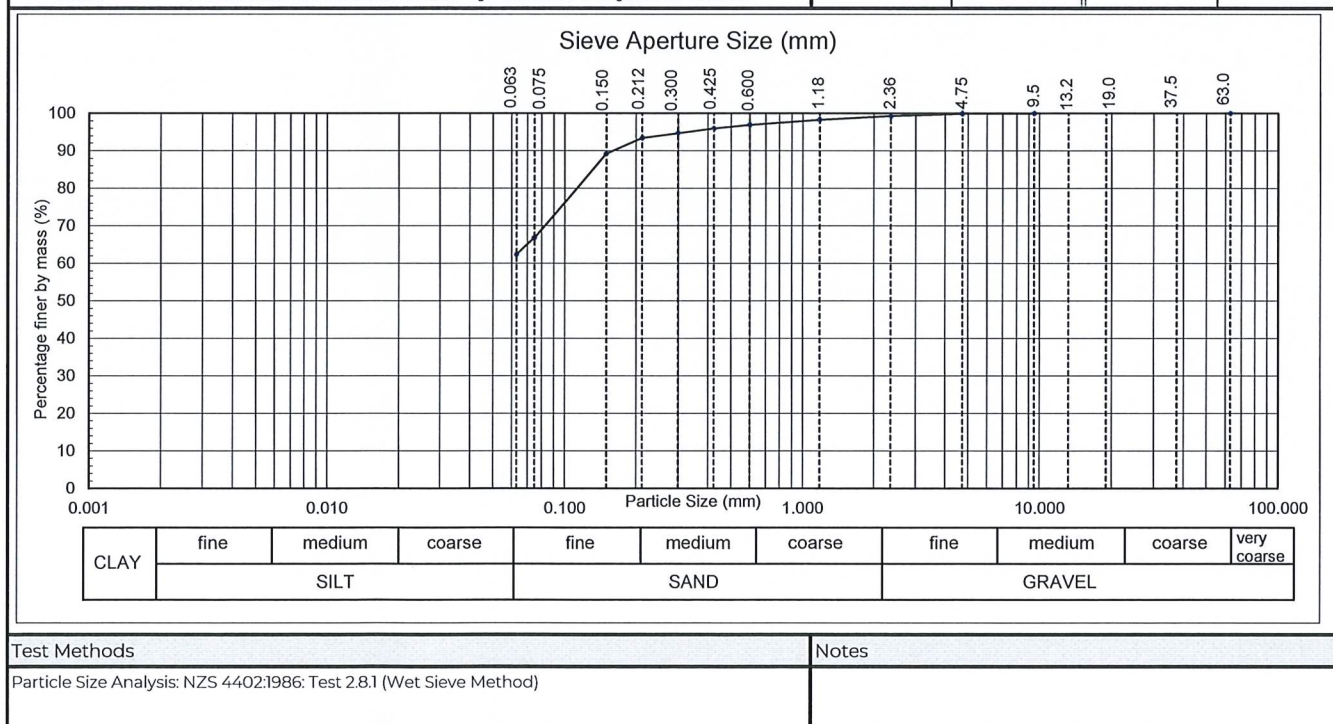
Project : Ground Investigation for Northland Corridor
 Location : Section 2 Te Hana to Port Marsden Highway, Section 2B GI
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Client/Sample Ref : N/A
 Contractor : N/A
 Borehole No : BH2B_1111 Depth: 6.0 - 6.45 metres
 Sampled by : NC Site Team
 Date received : 14/10/25
 Sampling method : SPT
 Sample condition : As Received
 Sample description : As per borehole log
 Solid Particle Density (t/m^3): N/A
 Water Content (as received): 38.2 %

Project No: 1-C2466.16

Lab Ref No: WL4708/117_WS

Client Ref:

Sieve Analysis						Hydrometer Analysis			
Sieve Size (mm)	Passing (%)	Sieve Size (mm)	Passing (%)	Sieve Size (mm)	Passing (%)	Particle Size (mm)	Passing (%)	Particle Size (mm)	Passing (%)
63.0	--	4.75	100	0.300	95	--	--	--	--
37.5	--	2.36	99	0.212	93	--	--	--	--
19.0	--	1.18	98	0.150	89	--	--	--	--
13.2	--	0.600	97	0.075	67	--	--	--	--
9.5	100	0.425	96	0.063	62	--	--	--	--
Note: "--" denotes sieve not used and/or hydrometer analysis not tested						--	--	--	--



Test Methods

Particle Size Analysis: NZS 4402:1986: Test 2.8.1 (Wet Sieve Method)

Notes

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.

Date Tested: 16/10/25 This report may only be reproduced in full
 Date Reported: 16/10/25
 Approved Signatory:  Rowan Carlyle
 Designation: Laboratory Manager
 Date: 16/10/25



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PARTICLE SIZE ANALYSIS (WET SIEVE METHOD)

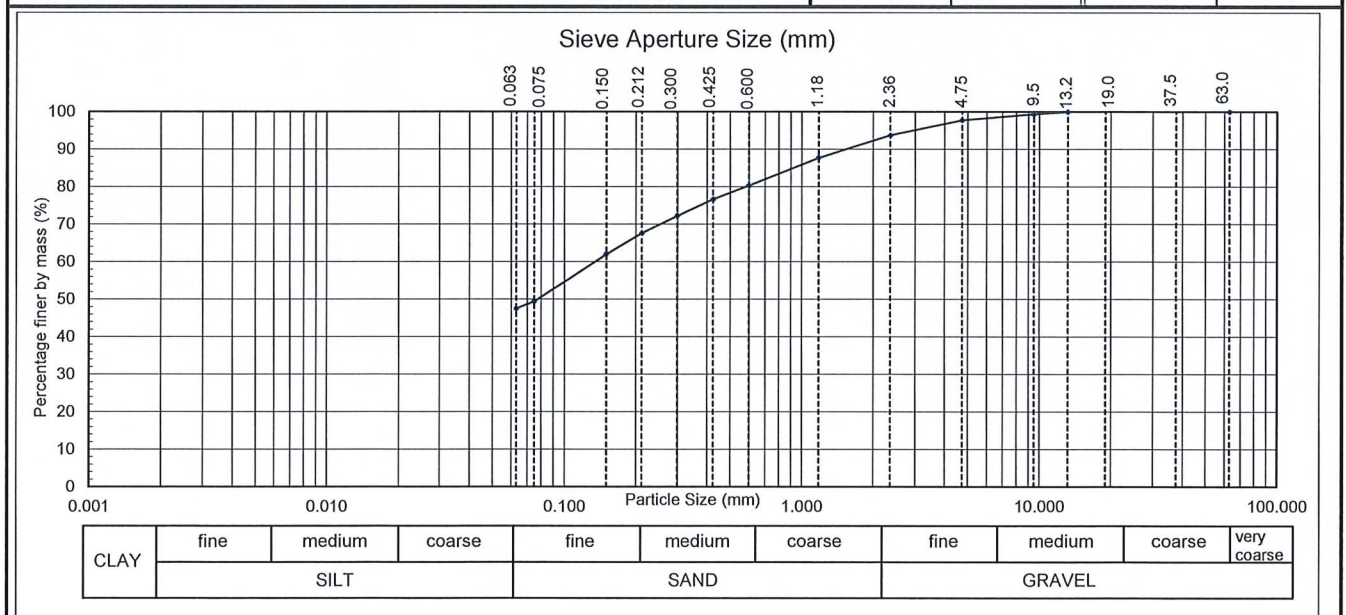
TEST REPORT



Project : Ground Investigation for Northland Corridor
 Location : Section 2 Te Hana to Port Marsden Highway, Section 2B GI
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Client/Sample Ref : N/A
 Contractor : N/A
 Borehole No: BH2B_1125 Depth: 9.0 - 9.45 metres
 Sampled by : NC Site Team
 Date received : 14/10/25
 Sampling method : SPT
 Sample condition : As Received
 Sample description : As per borehole log
 Solid Particle Density (t/m^3): N/A
 Water Content (as received): 35.8 %

Project No: 1-C2466.16
 Lab Ref No: WL4708/124_WS
 Client Ref:

Sieve Analysis						Hydrometer Analysis			
Sieve Size (mm)	Passing (%)	Sieve Size (mm)	Passing (%)	Sieve Size (mm)	Passing (%)	Particle Size (mm)	Passing (%)	Particle Size (mm)	Passing (%)
63.0	--	4.75	98	0.300	72	--	--	--	--
37.5	--	2.36	94	0.212	68	--	--	--	--
19.0	--	1.18	88	0.150	62	--	--	--	--
13.2	100	0.600	80	0.075	49	--	--	--	--
9.5	99	0.425	77	0.063	48	--	--	--	--
Note: "--" denotes sieve not used and/or hydrometer analysis not tested						--	--	--	--



Test Methods	Notes
Particle Size Analysis: NZS 4402:1986: Test 2.8.1 (Wet Sieve Method)	

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.

Date Tested: 16/10/25 This report may only be reproduced in full
 Date Reported: 16/10/25
 Approved Signatory: Rowan Carlyle
 Designation: Laboratory Manager
 Date: 16/10/25



Test results indicated as not accredited are outside the scope of the laboratory's accreditation

PARTICLE SIZE ANALYSIS (WET SIEVE METHOD)

TEST REPORT

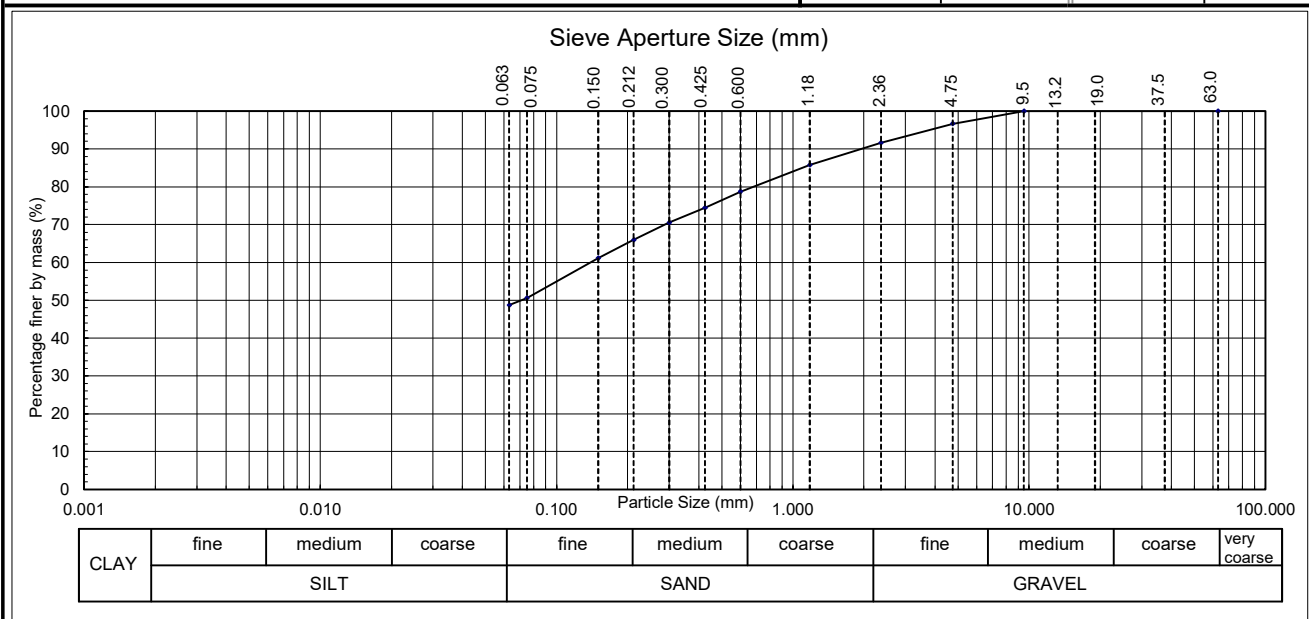


Project : Ground Investigation for Northland Corridor
 Location : Section 2 Te Hana to Port Marsden Highway, Section 2B GI
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Order No: -
 Contractor : -
 Borehole No: BH2B_1148 Depth: 9.00-9.45 metres
 Sampled by : NC Site Team
 Date received : 18/09/25
 Sampling method : SPT
 Sample condition : Natural; as excavated
 Sample description : Sandy SILT/CLAY with minor gravel
 Solid Particle Density (t/m^3): 2.77 Tested
 Water Content (as received): 43.3 %

Project No: 1-C2466.16
 Lab Ref No: WL4708/91-WS
 Client Ref: 1-C2466.16

Sieve Analysis						Hydrometer Analysis			
Sieve Size (mm)	Passing (%)	Sieve Size (mm)	Passing (%)	Sieve Size (mm)	Passing (%)	Particle Size (mm)	Passing (%)	Particle Size (mm)	Passing (%)
63.0	--	4.75	97	0.300	71	--	--	--	--
37.5	--	2.36	92	0.212	66	--	--	--	--
19.0	--	1.18	86	0.150	61	--	--	--	--
13.2	--	0.600	79	0.075	51	--	--	--	--
9.5	100	0.425	74	0.063	49	--	--	--	--

Note: "--" denotes sieve not used and/or hydrometer analysis not tested



Test Methods	Notes
Particle Size Analysis: NZS 4402:1986: Test 2.8.1 (Wet Sieve Method)	All information supplied by Client

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.

Date Tested: 28-29/10/25 This report may only be reproduced in full
 Date Reported: 30/10/25
 Approved Signatory: Thrushen Pillay
 Designation : Senior Civil Engineering Technician
 Date : 04/11/25

[Signature]



Test results indicated as not accredited are outside the scope of the laboratory's accreditation