



LABORATORY REPORT



Contract Number: PSL25/1779

Report Date: 10 April 2025

Client's Reference: PN254711/1

Client Name: Geotechnics
Kirkby Lane
Pinxton
Nottinghamshire
NG16 6JA

For the attention of: Conor Southall

Contract Title: Menai Shellfish (Bangor Beach Road SP5)

Date Received: 10/03/2025

Date Commenced: 10/03/2025

Date Completed: 10/04/2025

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

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Page 1 of

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

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Menai Shellfish (Bangor Beach Road SPS)

Contract No:

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PN254711

SUMMARY OF SOIL CLASSIFICATION TESTS

BS 1377 - Part 2 : 2022 in accordance with BS EN ISO 17892 (as below)

[illegible]

Water Content - BS 1377 - Part 2 : 2022 : Clause 4 in accordance with BS EN ISO 17892 - 1 : 2014 + A1 : 2022

Linear Shrinkage - BS 1377 - Part 2 : 2022 : Clause 7

Particle Density (Gas Jar method) - BS 1377 - Part 2 : 2022 : Clause 9

Liquid, Plastic Limit & Plasticity Index - BS 1377 - Part 2 : 2022 : Clause 5 & 6 in accordance with BS EN ISO 17892 - 12 : 2018 + A2 : 2022

SYMBOLS : NP = Non Plastic



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PARTICLE SIZE DISTRIBUTION TEST

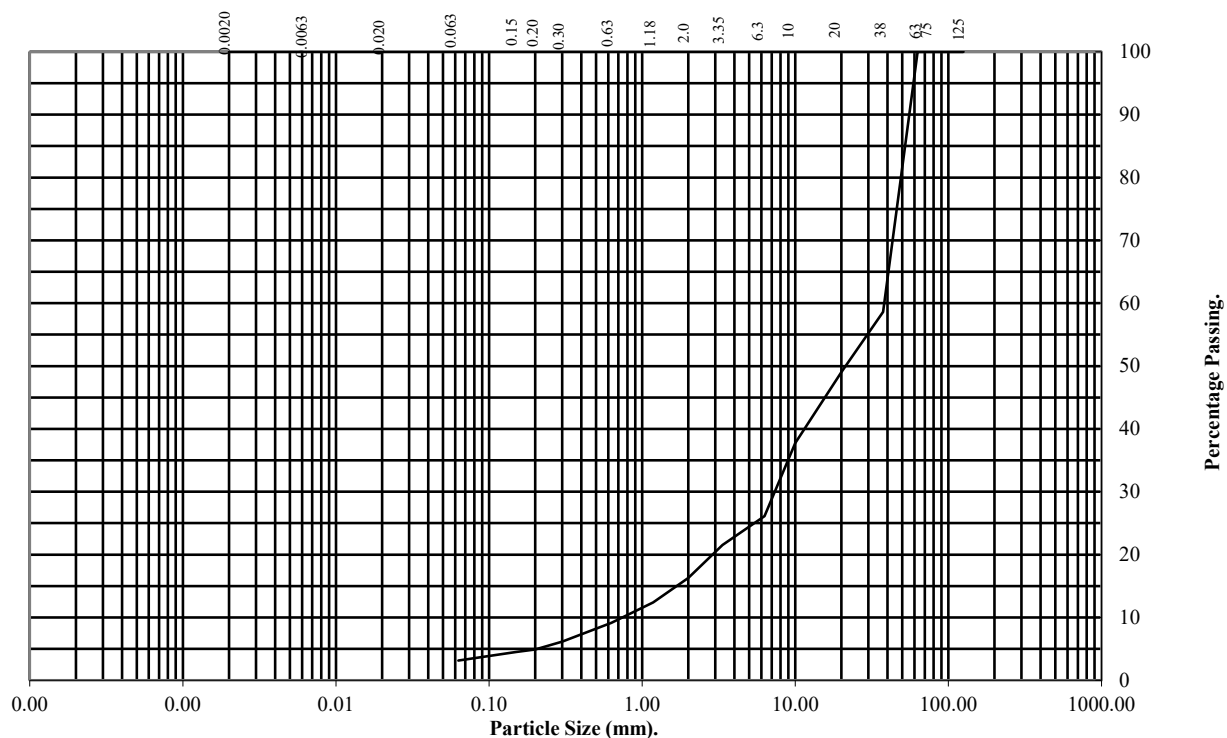
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2

Hole Number: TP1 Top Depth (m): 0.15

Sample Number: Base Depth (m): 1.02

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	59
20	49
10	38
6.3	26
3.35	22
2	16
1.18	12
0.63	9
0.3	6
0.2	5
0.15	4
0.063	3

Soil Fraction	Total Percentage
Cobbles	0
Gravel	84
Sand	13
Silt/Clay	3

Remarks:

See Summary of Soil Descriptions



Menai Shellfish (Bangor Beach Road SPS)

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PARTICLE SIZE DISTRIBUTION TEST

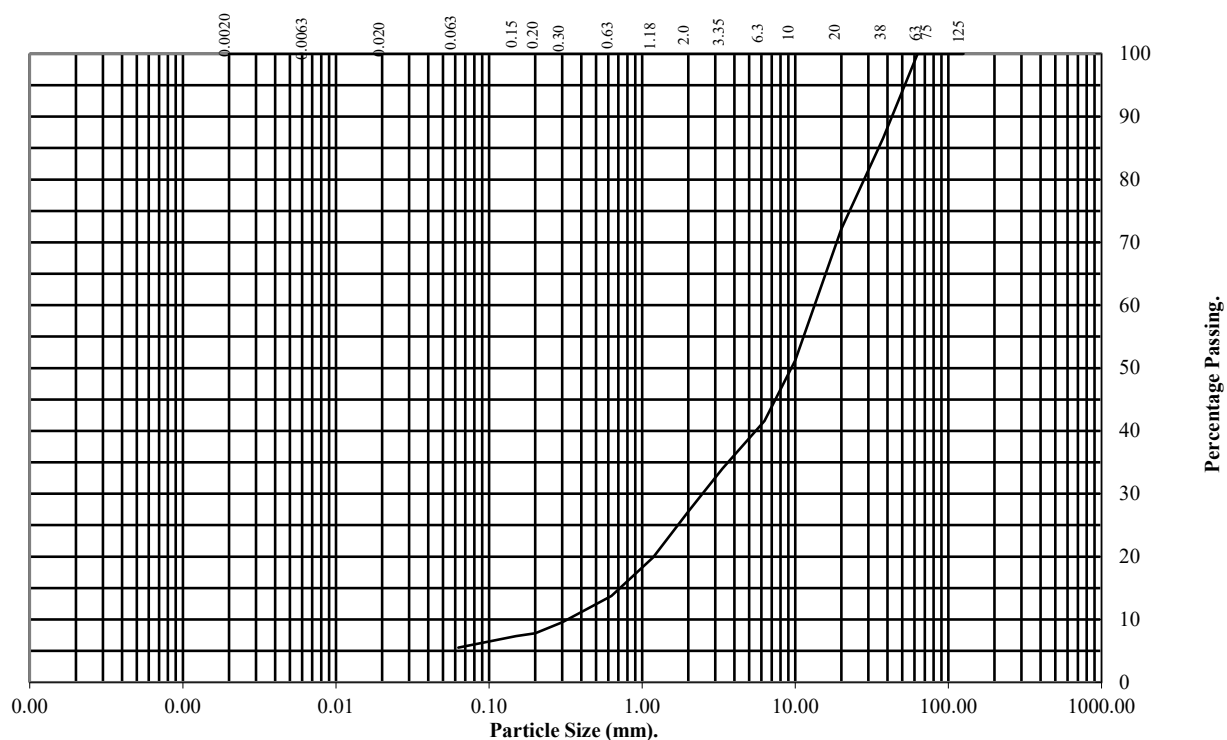
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2

Hole Number: TP2 Top Depth (m): 0.10

Sample Number: Base Depth (m): 0.50

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	87
20	72
10	51
6.3	42
3.35	34
2	27
1.18	20
0.63	14
0.3	10
0.2	8
0.15	7
0.063	6

Soil Fraction	Total Percentage
Cobbles	0
Gravel	73
Sand	21
Silt/Clay	6

Remarks:

See Summary of Soil Descriptions



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PARTICLE SIZE DISTRIBUTION TEST

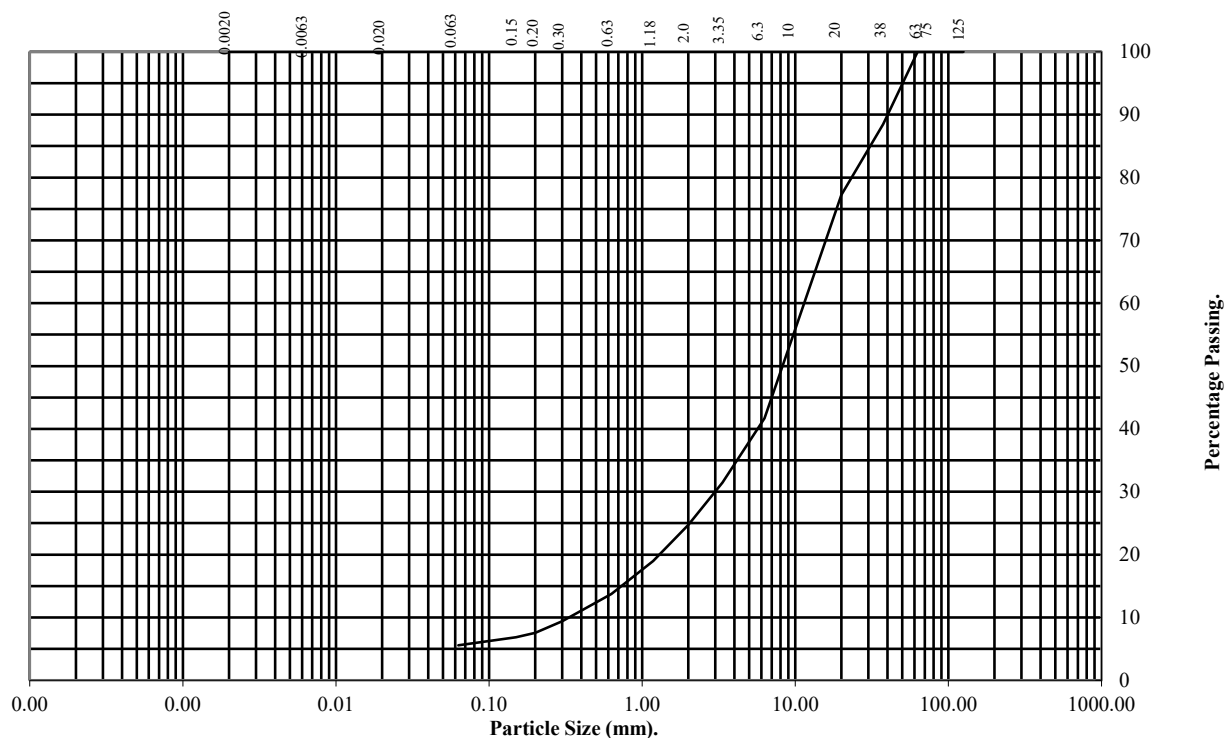
BS 1377 - Part 2 : 2022 : Clause 10 in accordance with BS EN ISO 17892 - 4 : 2016

Sieve Method, Clause 5.2

Hole Number: TP2 Top Depth (m): 0.50

Sample Number: Base Depth (m): 1.40

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	88
20	77
10	56
6.3	42
3.35	31
2	25
1.18	19
0.63	14
0.3	9
0.2	8
0.15	7
0.063	6

Soil Fraction	Total Percentage
Cobbles	0
Gravel	75
Sand	19
Silt/Clay	6

Remarks:

See Summary of Soil Descriptions



Menai Shellfish (Bangor Beach Road SPS)

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DRY DENSITY/WATER CONTENT RELATIONSHIP

Non compliance with BS 1377 - Part 2 : Clause 11 : 2022

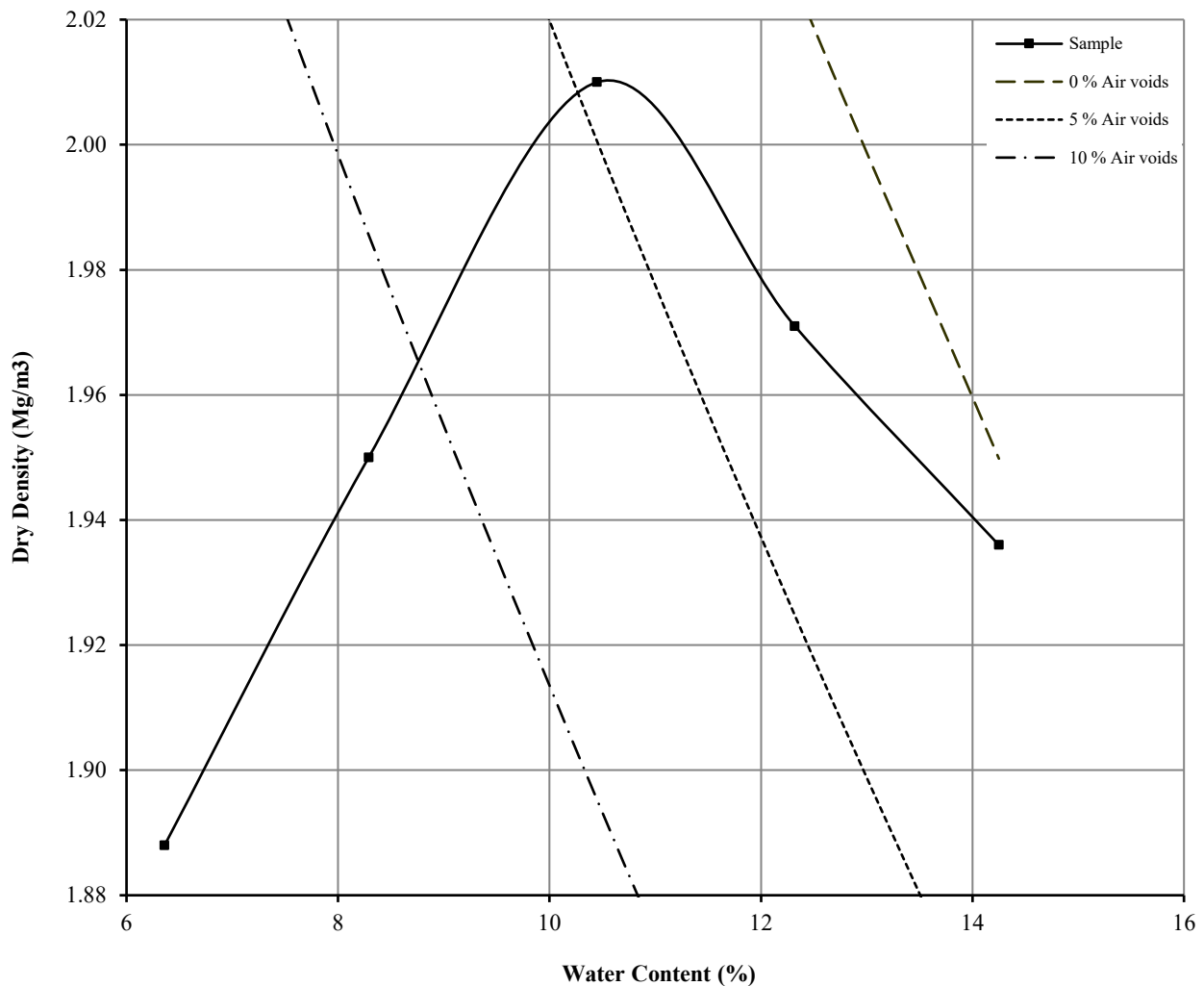
Hole Number: TP2

Top Depth (m): 0.10

Sample Number:

Base Depth (m): 0.50

Sample Type: B



Initial Water Content:	4.2	Method of Compaction:	2.5kg	Separate Samples
Particle Density (Mg/m³):	2.70	Measured	Material Retained on 37.5 mm Test Sieve (%):	13
Maximum Dry Density (Mg/m³):	2.01		Material Retained on 20.0 mm Test Sieve (%):	15
Optimum Water Content (%):	10	Grading Zone:		X
Remarks See summary of soil descriptions				



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