

## **Factual Site Investigation**

**Phase 2 Marine & Landside Ground Investigation,  
Ardersier Port, Inverness**

**Haventus Ardersier Port**

**S250403**

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## DRAFT FACTUAL SITE INVESTIGATION REPORT

### PHASE 2 MARINE & LANDSIDE GI

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| Revision | Date       | Prepared by                           | Signed     |
|----------|------------|---------------------------------------|------------|
| Final    | March 2026 | S. McNiff<br><i>Contracts Manager</i> | [Redacted] |
|          |            | Checked by                            |            |
|          |            | R Woods<br><i>Managing Director</i>   | [Redacted] |
|          |            | Approved by                           |            |
|          |            | R Woods<br><i>Managing Director</i>   | [Redacted] |

## 1 INTRODUCTION

### 1.1 Authorisation

The site investigation described in this report was carried out by Solmek to the instructions of Fairhurst on behalf of Haventus Ardersier Port, on land located to the south of Ardersier Port to the east of Inverness. A site location plan is presented in Appendix A, Figure 1. All borehole co-ordinates and elevations are referenced to Ordnance Datum (AOD).

Sources of information, including previous work undertaken at the site, are detailed below:

- *Blake Geoservices Ltd, Whiteness Yard & Spit Factual Report, 12159-01 (July 2013)*
- *Solmek Phase 2 Site Investigation, Phase 1 Quay Wall, S221111 (June 2023)*
- *Solmek Phase 2 Site Investigation, Marine Scotland Boreholes, S230232 (June 2023)*
- *Solmek Phase 2 Site Investigation, Phase 3 Quay Wall, S231026 (June 2024)*
- *Solmek Phase 2 Site Investigation, Phase 2 Quay Wall, S240936 (February 2025)*
- *Solmek Phase 2 Site Investigation, Launch Pocket Phase 2 Quay Wall, S250401 (August 2025)*
- *Solmek Phase 2 Site Investigation, Phase 2 Onshore GI Areas 1 to 5, S250402 (October 2025)*

Reference should be made to the above report for details of the site's previous ground conditions.

The scope of the site investigation undertaken was set out within Fairhurst: Contract for Phase 2 marine Development Ground Investigation at Ardersier Port (BIM Ref: APP2-FHT-XX-CHA-SP-G-000001, March 2025).

### 1.2 Background & Scope of Works

The port is to become an Energy Transition Facility. The proposed development will also include a concrete production plant using dredged sand from the port inlet. This report covers ground investigation works to support the design of wider platform/ lay-down zones.

The following steps may be required in the investigation and remediation of potentially contaminated land:

- Phase 1: Desk Study
- Phase 2: Intrusive Investigation
- Phase 3: Remediation Statement
- Phase 4: Validation Reports

Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages.

A factual geotechnical report and contamination assessment (Phase 2) was requested. The fieldwork and testing was generally carried out according to:

- BS 5930:2015+A1:2020 Code of Practice for Ground Investigations
- BS 10175:2011+A1:2013 Investigation of Potentially Contaminated Sites – Code of Practice.
- Rock and soil descriptions shall be in accordance with BS EN ISO 14689-1:2003, BS EN ISO 14688-1:2002 and BS EN ISO 14688-2:2004

This report forms part of a Stage 1 Risk Assessment (Generic Quantitative Risk Assessment) with respect to the Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*.

The information provided in this report is based on the investigation fieldwork and is subject to the comments and approval of the various regulatory authorities. There may be other conditions prevailing on the site which have not been disclosed by this investigation, and which have not been considered by this report. Solmek, reserve the right to alter conclusions and recommendations should further information be available or

provided.

Any schematic representation or opinion of the possible configuration of ground conditions between exploratory holes is conjectural and given for guidance only and confirmation of intermediate ground conditions should be considered if deemed necessary.

## 2 SITE DESCRIPTION AND FIELDWORK

An initial site inspection, as recommended in BS 5930 and BS 10175, was undertaken on 23<sup>rd</sup> April 2025.

The site is approximately centred at Ordnance Survey Co-ordinates 280829E, 857204N and lies south adjacent to current Ardersier Port boundaries. Ardersier Port is situated around an inlet at the mouth of the Moray Firth. The site comprises the dock area and a stretch of water separated by a sand spit.

The area of the proposed development is generally triangular with a mostly flat and even topography. The site generally comprises an area of mature forestry. Across central areas, a small farmstead is present with land designated to crop cultivation and rearing of livestock (pheasants and ducks). Several smaller residential premises are also located within central and southern areas of the site. Trending roughly north-south across the site there is a clearing in which overhead power lines run.

### 2.1 Fieldwork

The drilling fieldwork was carried out between August and September 2025. The extent of the investigation was:

#### Marine Positions

- 19no. overwater sonic boreholes (ref: BH-106-119, 201-203, 205 & 207) drilled to depths of -34.30m below chart datum (CD).
- The boreholes were positioned by Fairhurst
- In-situ testing in the boreholes as Standard Penetration Tests (SPTs) throughout the entire borehole depth.
- Retrieval of disturbed and undisturbed samples for geotechnical testing.
- Environmental samples taken for Marine Scotland testing.

#### Landside Positions

- 5no. sonic boreholes (ref: BH-301 to 305) drilled to depths of 22.95m below ground level (bgl)
- The boreholes were positioned by Fairhurst
- In-situ testing in the boreholes as Standard Penetration Tests (SPTs) throughout the entire borehole depth.
- Retrieval of disturbed and undisturbed samples for geotechnical testing.
- Environmental samples taken for Marine Scotland testing.

The boreholes were backfilled with bentonite grout upon completion.

Descriptions of the strata encountered in the boreholes together with details of sampling and groundwater are presented in Appendix B of this report.

## 3 GROUND CONDITIONS

A summary of the ground conditions encountered is given below.

### 3.1 Made Ground Deposits

Made ground was absent across all exploratory locations except for some shallow reworked sand at the landside borehole locations



### 3.2 Superficial Deposits

The superficial deposits generally comprised SAND with varying levels of secondary constituents of gravel, silt and clay. The sand was recorded as medium dense to dense.

### 3.3 Bedrock

Not proven.

### 3.4 Groundwater

Groundwater strikes on the landside boreholes are shown in Table 1 below.

**TABLE 1: GROUNDWATER RECORDS FROM BOREHOLES DURING FIELDWORK**

| Location | Depth of Strike (mbgl) | Stratum |
|----------|------------------------|---------|
| BH-301   | 2.92                   | SAND    |
| BH-302   | 2.89                   | SAND    |
| BH-303   | 2.72                   | SAND    |
| BH-304   | 2.95                   | SAND    |
| BH-305   | 3.30                   | SAND    |

## 4 CONTAMINATION TESTING

This phase of works concerns the assessment of proposed dredge materials for possible off-shore disposal.

The chemical samples were generally retrieved in line with BS ISO 18400-105:2017 *Soil Quality. Sampling* and also in line with the testing laboratory specifications. The chemical results are presented in Appendix C.

### 4.1 Contamination Testing and Rationale

To provide information upon the possibility of ground contamination 68no samples of natural sand were selected for contamination testing. The depth of interest for testing was specified by Fairhurst.

- 68no. Marine Scotland Testing Suite

## 5 GEOTECHNICAL TESTING

Samples taken from the boreholes underwent a series of geotechnical tests to aid platform design and soil description. In addition, insitu Standard Penetration Tests (SPTs) were undertaken at regular intervals across the entire borehole depth.

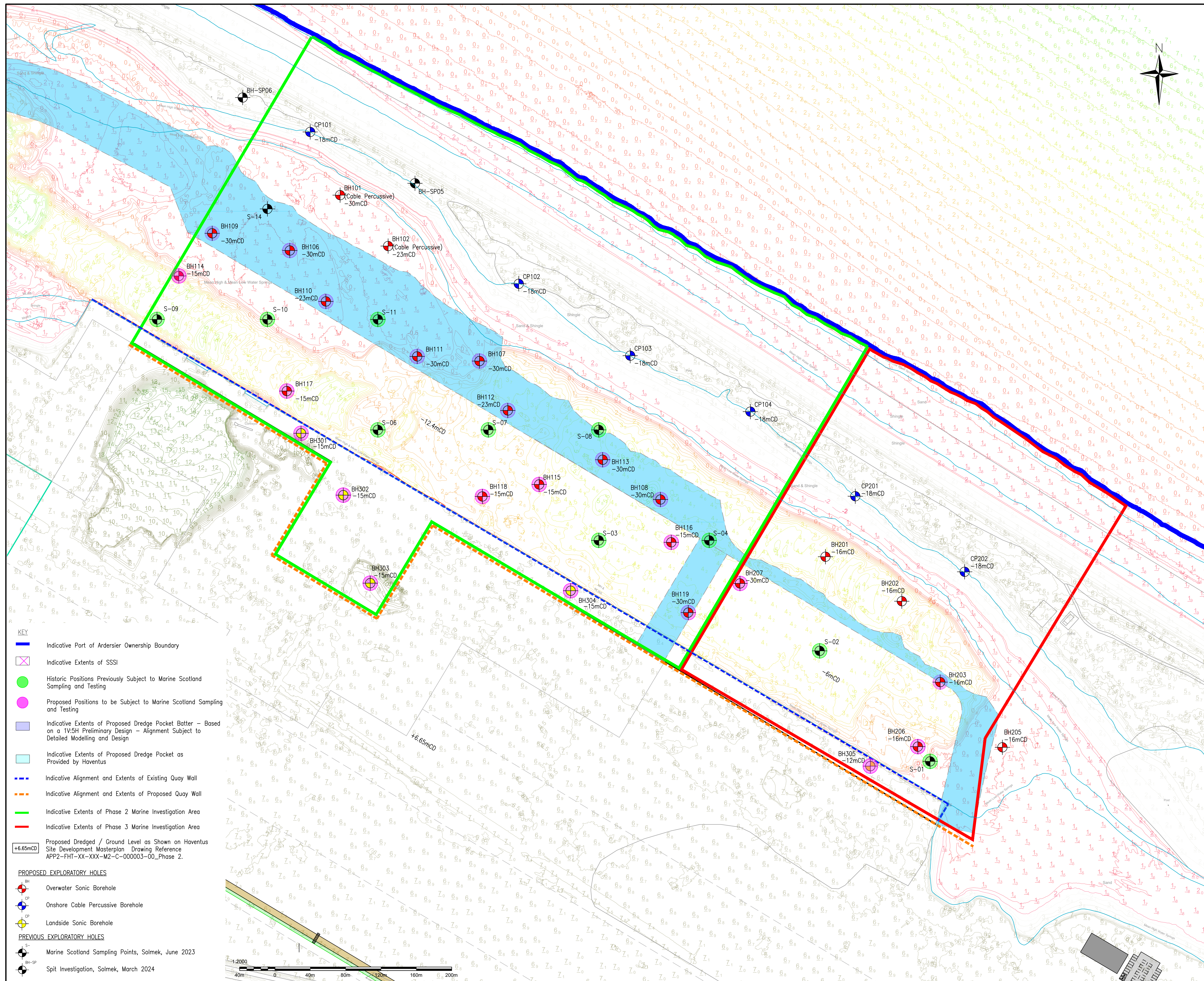
### 5.1 Laboratory Testing

The laboratory testing (requested and scheduled by Fairhurst) is presented in Appendix D (Geotechnical).

## SOLMEK

## APPENDIX A





Do not scale from this drawing.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.

RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO. 162855/DAF/01 – ISSUE 3

SITE INVESTIGATION

- Services and overhead cables
- Contamination (including hydrocarbons and asbestos)
- Adjacent activities and client operations
- Restricted site
- Ground instability
- Working at height
- Overwater works
- Working near to waterways
- Tidal working
- Inundation
- UXO
- Working within a protected area
- Working behind quay wall – Potential presence of tie rods/anchors

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, AT AN APPROVED METHOD STATEMENT.

NOTES

1. Site plan is based on the Haventus Site Development Masterplan Drawing Reference APP2–FHT–XX–XXX–M2–C–000003–00\_Phase 2.

2. No boreholes are to be positioned above Mean High Water Springs without Regulatory agreement.

3. Proposed scope of ground investigation is subject to receipt of relevant permissions, to be applied for by the Client team. This is not within Fairhurst's scope of works.

4. Exploratory hole positions and depths are subject to change to suit site conditions and constraints. Any changes are first to be agreed with the Engineer and Client.

5. Exploratory hole positions are provisional until such a time as utility information, to be procured by the Contractor, is provided for review by the Engineer.

6. Borehole positions at the crest or mid-slope are based on a 1V:5H preliminary design. Actual slope alignment is subject to detailed design.

7. All sediment sampling and sub-sampling in the dredge pocket and associated batters for the purposes of informing material suitability for offshore disposal is to be undertaken in accordance with the requirements of Marine Scotland. The Contractor is to review and comply fully with these requirements.

8. Scope of sediment sampling for offshore disposal is subject to an agreed sampling plan with Marine Scotland.

9. Testing laboratory used must be ISO17025 accredited for marine sediment analysis and take part in comparison exercises such as QUASIMEME. The laboratory should also meet the LOD and sensitivity requirements set out in CSEMP Green Book.

10. The Contractor is responsible for clearing services at all exploratory hole locations.

11. The Contractor is responsible for protection of the existing quay wall. All exploratory holes are to be cleared for associated infrastructure (i.e tie rods, anchor piles etc.).

12. The Contractor is responsible for all setting out and must record as build coordinates and levels as per the Ground Investigation Specification.

D

07/08/25

BH101 and BH102 updated to be cable percussive. BH108 and BH203 moved.

LB

AH

AKF

C

06/08/25

BH113, 108 and 205 moved.

LB

AH

AKF

B

01/07/25

BHs 101 & 102 moved to estimated mean high water springs line following splitrendstatement and depths updated. BH 103, 104, 105 & 204 removed. BH 105, 113 & 203 moved.

JD

AH

AKF

A

04/06/25

REVISED TO REFLECT CLIENT COMMENTS

DAU

CM

DD

Rev.

Date

Description

Drawn

Chkd.

Appd.

FAIRHURST

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Client:

Haventus

Project Title:

Ardersier Port Redevelopment

Drawing Title:

MARINE INVESTIGATION  
EXPLORATORY HOLE LOCATION PLAN  
PHASE 2 AND PHASE 3

Scale of A1:  
1:2000

Status:  
Tender

Drawn:  
GAU

Checked:  
CM/CL

Approved:  
JMM

Date:  
06/06/25

Date:  
06/06/25

Date:  
06/06/25

Drawing No.:

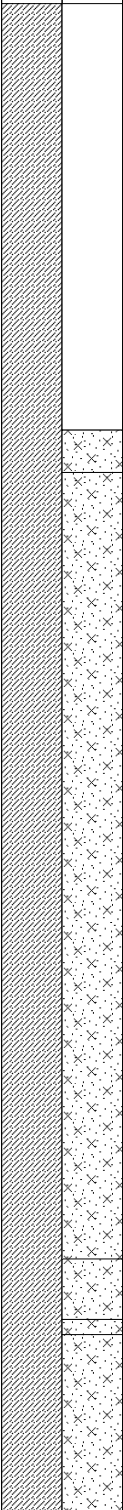
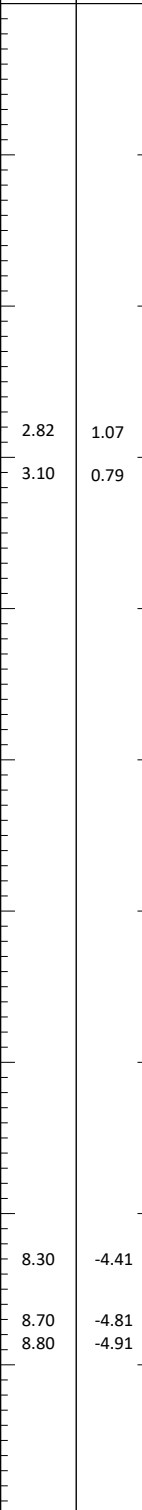
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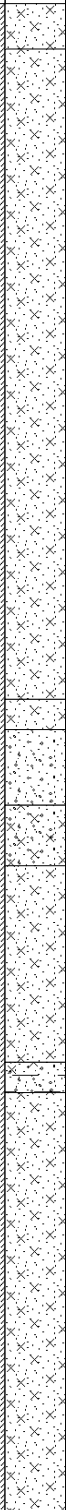
APP2–FHT–DD–CHA–DR–G–009106

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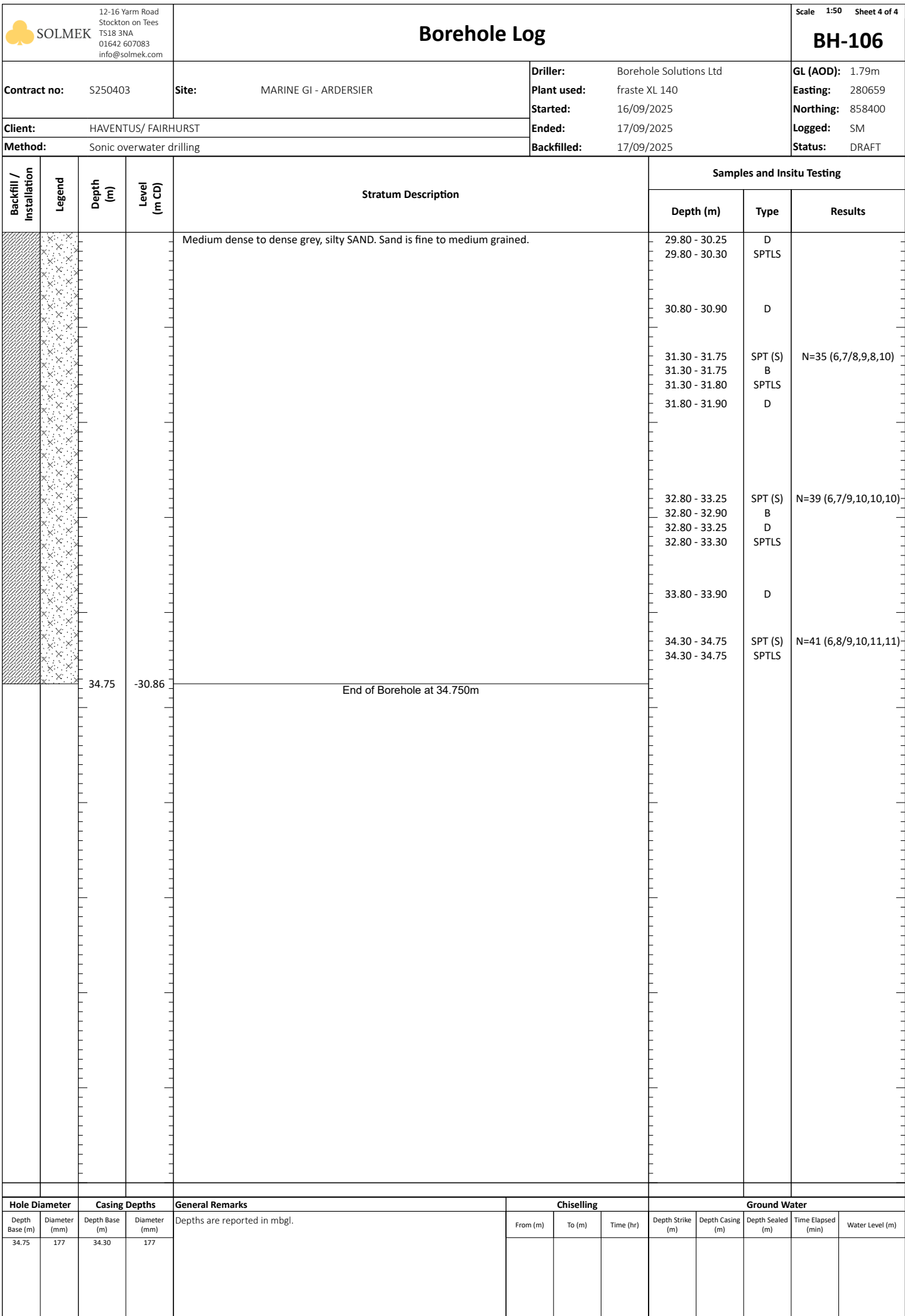
## APPENDIX B

|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |         |                    |                                 |           |                         |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------|---------|--------------------|---------------------------------|-----------|-------------------------|------------------|------------------|--------------------|-----------------|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                        |                            |         |                    |                                 |           | Scale 1:50 Sheet 1 of 4 |                  | BH-106           |                    |                 |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                                                    |                            |         |                    | Driller: Borehole Solutions Ltd |           |                         |                  | GL (AOD): 1.79m  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |         |                    | Plant used: fraste XL 140       |           |                         |                  | Easting: 280659  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |         |                    | Started: 16/09/2025             |           |                         |                  | Northing: 858400 |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |         |                    | Ended: 17/09/2025               |           |                         |                  | Logged: SM       |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |         |                    | Backfilled: 17/09/2025          |           |                         |                  | Status: DRAFT    |                    |                 |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                            | Samples and Insitu Testing |         |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                | Depth (m)                  |         | Type               | Results                         |           |                         |                  |                  |                    |                 |
|                                                                                                                    |  |  |  | Void comprising moonpool of drilling platform and dpeth of water prior to encountering sea bed |                            |         |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 2.80 - 2.95                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 3.30 - 3.45                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 3.80 - 3.95                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 4.30 - 4.75                                                                                    |                            | SPT (S) | N=9 (2,2/2,2,2,3)  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 4.30 - 4.45                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 4.30 - 4.75                                                                                    |                            | SPTLS   |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 4.80 - 4.95                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 5.30 - 5.45                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 5.80 - 6.25                                                                                    |                            | SPT (S) | N=8 (1,2/2,2,2,2)  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 5.80 - 6.25                                                                                    |                            | SPTLS   |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 5.89 - 6.39                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 6.30 - 6.45                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 6.80 - 6.95                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 7.30 - 7.75                                                                                    |                            | SPT (S) | N=11 (2,3/2,3,3,3) |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 7.30 - 7.45                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 7.30 - 7.75                                                                                    |                            | SPTLS   |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 7.80 - 7.95                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 8.30 - 8.45                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 8.80 - 9.25                                                                                    |                            | SPT (S) | N=14 (2,4/3,3,4,4) |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 8.80 - 8.95                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 8.80 - 9.25                                                                                    |                            | SPTLS   |                    |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 9.09 - 9.59                                                                                    |                            | ES      |                    |                                 |           |                         |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                       |                                                                                    | Casing Depths                                                                      |                                                                                    | General Remarks                                                                                |                            |         | Chiselling         |                                 |           | Ground Water            |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                      | Diameter (mm)                                                                      | Depth Base (m)                                                                     | Diameter (mm)                                                                      | Depths are reported in mbgl.                                                                   |                            |         | From (m)           | To (m)                          | Time (hr) | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 34.75                                                                                                                                                                                               | 177                                                                                | 34.30                                                                              | 177                                                                                |                                                                                                |                            |         |                    |                                 |           |                         |                  |                  |                    |                 |

|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|----------|------------------------------------------------------|----------------------------|--------------------|------------------|------------------|--------------------|-----------------|--|--|--|--|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    | <div>Borehole Log</div>     |               |                                                                                                                                                                              |                            |                                 |          | <div>Scale 1:50 Sheet 2 of 4</div> <div>BH-106</div> |                            |                    |                  |                  |                    |                 |  |  |  |  |
| Contract no: S250403                                                                                                                                                                                |                                                                                    | Site: MARINE GI - ARDERSIER |               |                                                                                                                                                                              |                            | Driller: Borehole Solutions Ltd |          | GL (AOD): 1.79m                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            | Plant used: fraste XL 140       |          | Easting: 280659                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            | Started: 16/09/2025             |          | Northing: 858400                                     |                            |                    |                  |                  |                    |                 |  |  |  |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                             |               |                                                                                                                                                                              |                            | Ended: 17/09/2025               |          | Logged: SM                                           |                            |                    |                  |                  |                    |                 |  |  |  |  |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                             |               |                                                                                                                                                                              |                            | Backfilled: 17/09/2025          |          | Status: DRAFT                                        |                            |                    |                  |                  |                    |                 |  |  |  |  |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)                   | Level (m CD)  | Stratum Description                                                                                                                                                          | Samples and Insitu Testing |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              | Depth (m)                  | Type                            | Results  |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                    |  | 10.30                       | -6.41         | Medium dense light brown, silty, slightly gravelly SAND. Sand is fine to medium grained. Gravel is fine gained, rounded to well-rounded of mudstone sandstone and limestone. |                            |                                 |          | 10.30 - 10.75                                        | SPT (S)<br>B<br>SPTLS<br>D | N=23 (2,3/4,5,6,8) |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 10.30 - 10.75                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 10.30 - 10.80                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 10.80 - 10.90                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 11.80 - 12.25                                                                                                                                                                |                            |                                 |          | SPT (S)<br>B<br>D<br>SPTLS                           | N=25 (3,4/5,6,7,7)         |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 11.80 - 11.90                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 11.80 - 12.25                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 11.80 - 12.30                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 12.80 - 12.90                                                                                                                                                                |                            |                                 |          | D                                                    |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 13.30 - 13.75                                                                                                                                                                |                            |                                 |          | SPT (S)<br>B<br>SPTLS<br>D                           | N=19 (2,2/3,4,5,7)         |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 13.30 - 13.75                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 13.30 - 13.80                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 13.80 - 13.90                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 14.80 - 15.25                                                                                                                                                                |                            |                                 |          | SPT (S)<br>B<br>D<br>SPTLS                           | N=31 (4,5/6,7,8,10)        |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 14.80 - 14.90                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 14.80 - 15.25                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 14.80 - 15.30                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 15.80 - 15.90                                                                                                                                                                |                            |                                 |          | D                                                    |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 16.30 - 16.75                                                                                                                                                                |                            |                                 |          | SPT (S)<br>B<br>SPTLS<br>D                           | N=27 (4,4/6,6,7,8)         |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 16.30 - 16.75                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 16.30 - 16.80                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 16.80 - 16.90                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 17.80 - 17.90                                                                                                                                                                |                            |                                 |          | B<br>D                                               |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 17.80 - 18.30                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 18.80 - 18.90                                                                                                                                                                |                            |                                 |          | D                                                    |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 19.30 - 19.75                                                                                                                                                                |                            |                                 |          | SPT (S)<br>B<br>SPTLS<br>D                           | N=28 (3,5/5,7,8,8)         |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 19.30 - 19.75                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 19.30 - 19.80                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               | 19.80 - 19.90                                                                                                                                                                |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |
| Hole Diameter                                                                                                                                                                                       |                                                                                    |                             |               | Casing Depths                                                                                                                                                                |                            |                                 |          |                                                      | General Remarks            |                    |                  | Chiselling       |                    |                 |  |  |  |  |
| Depth Base (m)                                                                                                                                                                                      | Diameter (mm)                                                                      | Depth Base (m)              | Diameter (mm) | Depths are reported in mbgl.                                                                                                                                                 |                            |                                 | From (m) | To (m)                                               | Time (hr)                  | Ground Water       |                  |                  |                    |                 |  |  |  |  |
|                                                                                                                                                                                                     |                                                                                    |                             |               |                                                                                                                                                                              |                            |                                 |          |                                                      |                            | Depth Strike (m)   | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |  |  |  |  |
| 34.75                                                                                                                                                                                               | 177                                                                                | 34.30                       | 177           |                                                                                                                                                                              |                            |                                 |          |                                                      |                            |                    |                  |                  |                    |                 |  |  |  |  |

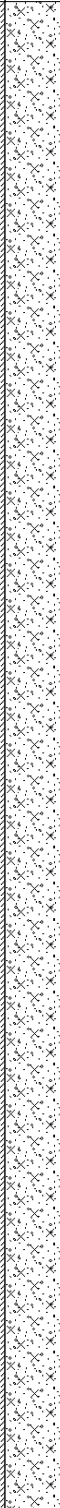
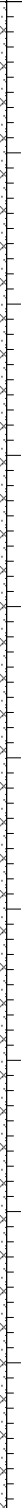




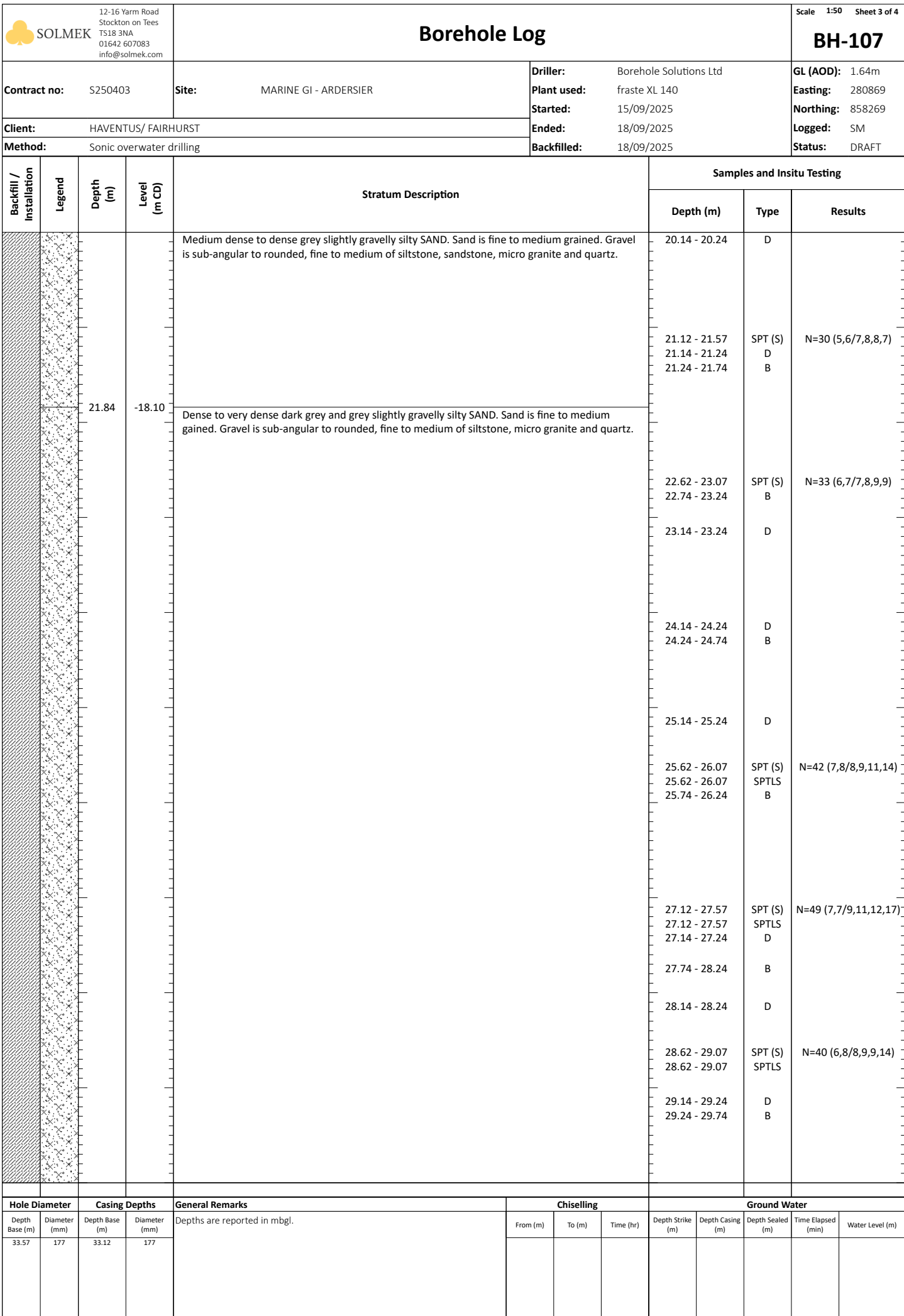


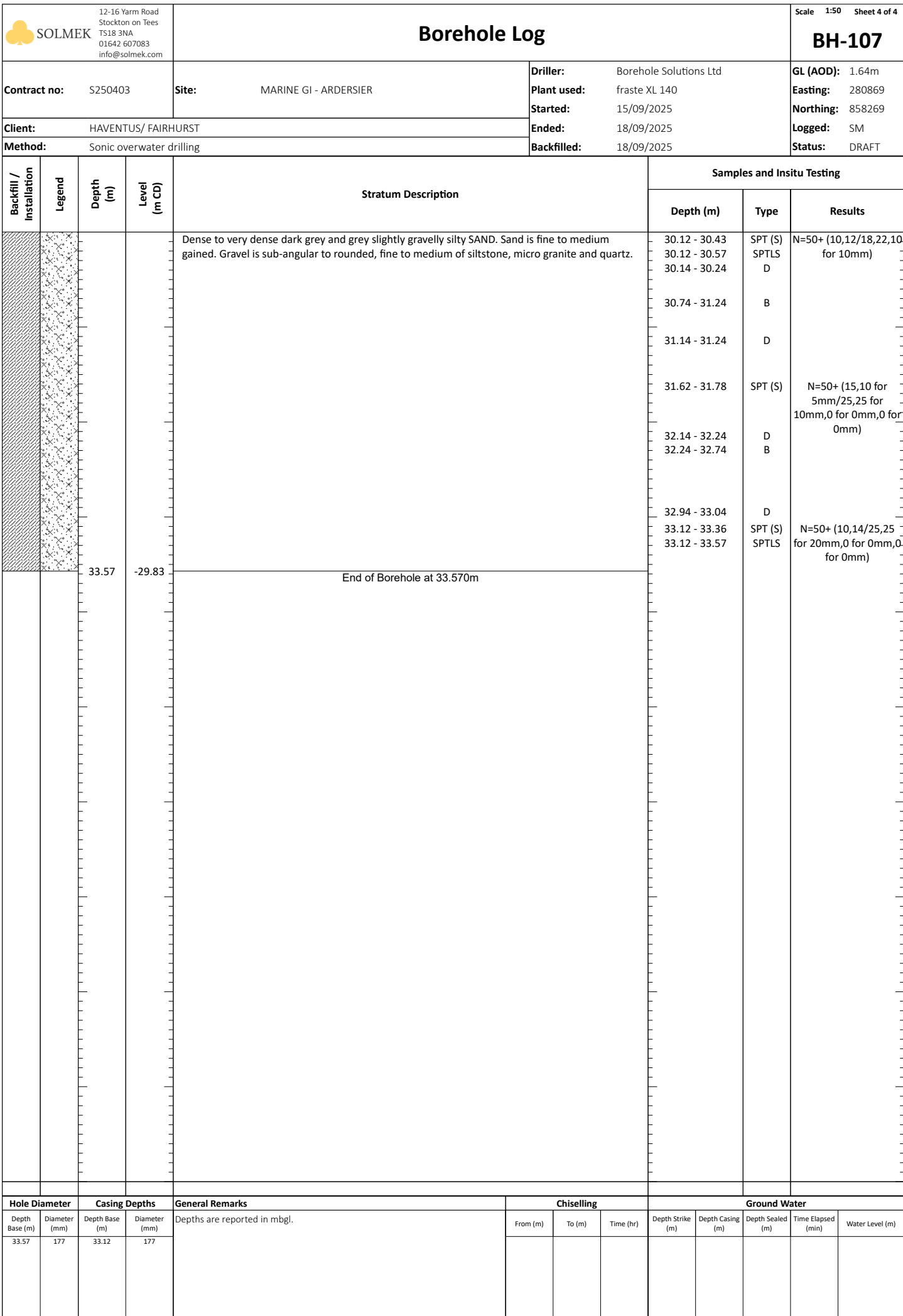


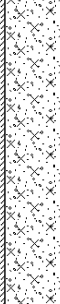
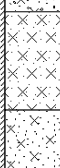
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|--------------------|-----------------|
| <div><div></div><div>SOLMEK</div></div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                   |                |               | <div>Borehole Log</div>                                                                                                                                                                                     |                            |  |            |                                                                                                                                                                               |           | <div>Scale 1:50 Sheet 1 of 4</div> <div>BH-107</div>                                                                             |                  |                  |                    |                 |
| <div>Contract no: S250403</div>                                                                                                                                                                                          |                                                                                   |                |               | <div>Site: MARINE GI - ARDERSIER</div>                                                                                                                                                                      |                            |  |            | <div>Driller: Borehole Solutions Ltd</div> <div>Plant used: fraste XL 140</div> <div>Started: 15/09/2025</div> <div>Ended: 18/09/2025</div> <div>Backfilled: 18/09/2025</div> |           | <div>GL (AOD): 1.64m</div> <div>Easting: 280869</div> <div>Northing: 858269</div> <div>Logged: SM</div> <div>Status: DRAFT</div> |                  |                  |                    |                 |
| <div>Client: HAVENTUS/ FAIRHURST</div>                                                                                                                                                                                   |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
| <div>Method: Sonic overwater drilling</div>                                                                                                                                                                              |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                                                  | Legend                                                                            | Depth (m)      | Level (m CD)  | Stratum Description                                                                                                                                                                                         | Samples and Insitu Testing |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | Depth (m)                  |  | Type       | Results                                                                                                                                                                       |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                          |  |                |               | Void comprising moonpool on drilling platform and depth of water before encountering seabed.                                                                                                                |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   | 3.12           | 0.62          | Black, locally dark grey very silty organic-rich SAND. Sand is fine to medium grained.                                                                                                                      | 3.12 - 3.27                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   | 3.64           | 0.10          | Loose to medium dense dark grey silty SAND, with occasional organic lenses. Sand is fine to medium grained.                                                                                                 | 3.62 - 3.77                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 3.84 - 4.04                |  | B          |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 4.12 - 4.27                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 4.62 - 4.77                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 5.12 - 5.27                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 5.62 - 5.77                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 5.74 - 6.24                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 6.12 - 6.57                |  | SPT (S)    | N=1 (1,0/0,0,1,0)                                                                                                                                                             |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 6.24 - 6.39                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   | 6.64           | -2.90         | Loose to medium dense light brown, locally grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, sandstone, granite and quartz. | 6.74 - 6.89                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 7.24 - 7.39                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 7.74 - 7.89                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 8.34 - 8.89                |  | ES         |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   | 8.94           | -5.00         | Medium dense to dense grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, sandstone, micro granite and quartz.                | 9.12 - 9.57                |  | SPT (S)    | N=16 (5,5/6,3,3,4)                                                                                                                                                            |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 9.14 - 9.24                |  | D          |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             | 9.24 - 9.74                |  | B          |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                                            |                                                                                   | Casing Depths  |               | General Remarks                                                                                                                                                                                             |                            |  | Chiselling |                                                                                                                                                                               |           | Ground Water                                                                                                                     |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                                           | Diameter (mm)                                                                     | Depth Base (m) | Diameter (mm) | Depths are reported in mbgl.                                                                                                                                                                                |                            |  | From (m)   | To (m)                                                                                                                                                                        | Time (hr) | Depth Strike (m)                                                                                                                 | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 33.57                                                                                                                                                                                                                    | 177                                                                               | 33.12          | 177           |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |
|                                                                                                                                                                                                                          |                                                                                   |                |               |                                                                                                                                                                                                             |                            |  |            |                                                                                                                                                                               |           |                                                                                                                                  |                  |                  |                    |                 |

|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              |                            |               |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------|-----------------------|---------------------------------|------------------------------|-------------------------|--|------------------|--------|-----------|------------------|------------------|------------------|--------------------|-----------------|
| <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                                                                                                                      |                            |               |                       |                                 |                              | Scale 1:50 Sheet 2 of 4 |  | BH-107           |        |           |                  |                  |                  |                    |                 |
| Contract no: S250403                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                                                                                                                                                  |                            |               |                       | Driller: Borehole Solutions Ltd |                              |                         |  | GL (AOD): 1.64m  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              |                            |               |                       | Plant used: fraste XL 140       |                              |                         |  | Easting: 280869  |        |           |                  |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                      |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              |                            |               |                       | Started: 15/09/2025             |                              |                         |  | Northing: 858269 |        |           |                  |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                 |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              |                            |               |                       | Ended: 18/09/2025               |                              |                         |  | Logged: SM       |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              |                            |               |                       | Backfilled: 18/09/2025          |                              |                         |  | Status: DRAFT    |        |           |                  |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                          | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                                                                                                                          | Samples and Insitu Testing |               |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | Depth (m)                  | Type          | Results               |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                 |  |  |  | Medium dense to dense grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, sandstone, micro granite and quartz. | 10.14 - 10.24              | D             | N=21 (5,5/4,5,6,6)    |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 10.74 - 11.24              | B             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 11.14 - 11.24              | D             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 12.12 - 12.57              | SPT (S)       |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 12.12 - 12.57              | SPTLS         |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 12.14 - 12.24              | D             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 12.24 - 12.74              | B             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 13.14 - 13.24              | D             | N=47 (6,6/7,10,12,18) |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 13.62 - 14.07              | SPT (S)       |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 13.62 - 14.07              | SPTLS         |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 13.74 - 14.24              | B             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 14.14 - 14.24              | D             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 15.12 - 15.57              | SPT (S)       |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 15.12 - 15.57              | SPTLS         | N=30 (5,5/6,6,7,11)   |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 15.14 - 15.24              | D             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 15.24 - 15.74              | B             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 16.14 - 16.24              | D             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 16.62 - 17.07              | SPT (S)       |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 18.14 - 18.24              | D             | N=30 (6,7/7,8,7,8)    |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 18.24 - 18.74              | B             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 19.14 - 19.24              | D             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 19.62 - 20.07              | SPT (S)       |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 19.62 - 20.07              | SPTLS         | N=23 (4,4/5,5,6,7)    |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | 19.74 - 20.24              | B             |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | Hole Diameter              | Casing Depths |                       |                                 | General Remarks              |                         |  | Chiselling       |        |           | Ground Water     |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              | Depth Base (m)             | Diameter (mm) | Depth Base (m)        | Diameter (mm)                   | Depths are reported in mbgl. |                         |  | From (m)         | To (m) | Time (hr) | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 33.57                                                                                                                                                                            | 177                                                                                | 33.12                                                                              | 177                                                                                |                                                                                                                                                                                              |                            |               |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              |                            |               |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                              |                            |               |                       |                                 |                              |                         |  |                  |        |           |                  |                  |                  |                    |                 |

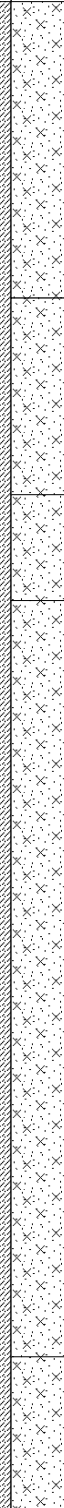






|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|---------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|----|------------|----------------------------------|-----------|-------------------------|------------------|------------------|--------------------|-----------------|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                     |                |               | <div>Borehole Log</div>                                                                                                 |                            |    |            |                                  |           | Scale 1:50 Sheet 1 of 4 |                  | BH-108           |                    |                 |
| Contract no: S250403                                                                                                                                                                                |                                                                                     |                |               | Site: MARINE GI - ARDERSIER                                                                                             |                            |    |            | Driller: Borehole Solutions Ltd  |           | GL (AOD): 0.54m         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            | Plant used: Fraste Multidrill ML |           | Easting: 281074         |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                     |                |               |                                                                                                                         |                            |    |            | Started: 26/08/2025              |           | Northing: 858111        |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                     |                |               |                                                                                                                         |                            |    |            | Ended: 28/08/2025                |           | Logged: SM              |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            | Backfilled: 28/08/2025           |           | Status: DRAFT           |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                              | Depth (m)      | Level (m CD)  | Stratum Description                                                                                                     | Samples and Insitu Testing |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         | Depth (m)                  |    | Type       | Results                          |           |                         |                  |                  |                    |                 |
|                                                                                                                    |   |                |               | Void comprising moonpool of drilling pontoon and depth of water prior to encountering sea-bed.                          |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |  | 6.20           | -3.56         | Black clayey, slightly sandy organic SILT, with frequent organic and timber insertions. Sand is fine to coarse grained. | 6.20 - 6.35                |    | ES         | N=6 (1,1/1,1,2,2)                |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |  | 6.46           | -3.82         |                                                                                                                         | 6.36 - 6.46                |    | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |  |                |               | 6.70 - 6.85                                                                                                             |                            | ES |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                | 7.20 - 7.35   |                                                                                                                         | ES                         |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                | 7.70 - 7.85   |                                                                                                                         | ES                         |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                | 8.20 - 8.65   |                                                                                                                         | SPT (S)                    |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                | 8.20 - 8.35   |                                                                                                                         | ES                         |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |  |                |               | 8.70 - 9.20                                                                                                             |                            | ES |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                | 9.00 - 9.45   |                                                                                                                         | SPT (S)                    |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                | 9.20 - 9.35   |                                                                                                                         | ES                         |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |  | 8.96           | -6.32         | Black clayey, slightly sandy organic SILT, with frequent organic insertions. Sand is fine to coarse grained.            |                            |    |            | N=9 (2,2/3,2,2,2)                |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |  |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |  | 9.61           | -6.97         | Medium dense to dense dark grey silty SAND. Sand is fine to medium grained.                                             | 9.70 - 9.85                |    | ES         |                                  |           |                         |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                       |                                                                                     | Casing Depths  |               | General Remarks                                                                                                         |                            |    | Chiselling |                                  |           | Ground Water            |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                      | Diameter (mm)                                                                       | Depth Base (m) | Diameter (mm) | Depths are reported in mbgl.                                                                                            |                            |    | From (m)   | To (m)                           | Time (hr) | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 31.95                                                                                                                                                                                               | 177                                                                                 | 31.50          | 177           |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                     |                |               |                                                                                                                         |                            |    |            |                                  |           |                         |                  |                  |                    |                 |

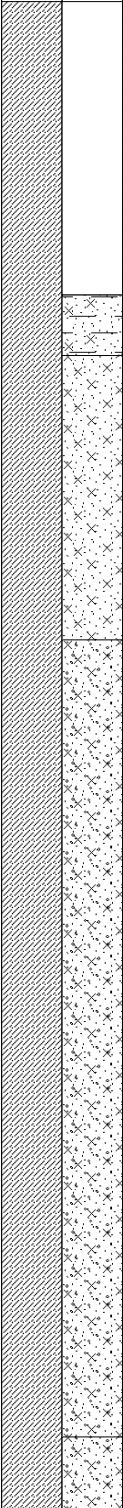
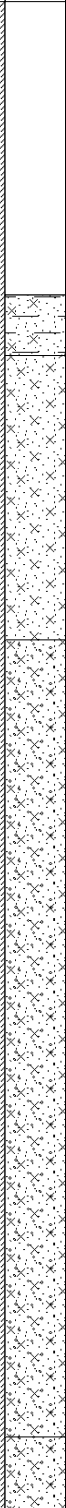


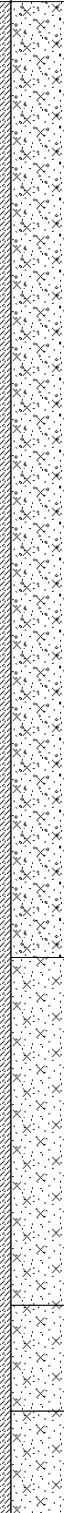
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 |                     |                                  |           |                         |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------|---------------------|----------------------------------|-----------|-------------------------|------------------|------------------|--------------------|-----------------|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                |               | <div>Borehole Log</div>                                                                                                                                                                 |                            |                                                                                 |                     |                                  |           | Scale 1:50 Sheet 2 of 4 |                  | BH-108           |                    |                 |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                |               | Site: MARINE GI - ARDERSIER                                                                                                                                                             |                            |                                                                                 |                     | Driller: Borehole Solutions Ltd  |           | GL (AOD): 0.54m         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 |                     | Plant used: Fraste Multidrill ML |           | Easting: 281074         |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 |                     | Started: 26/08/2025              |           | Northing: 858111        |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 |                     | Ended: 28/08/2025                |           | Logged: SM              |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 |                     | Backfilled: 28/08/2025           |           | Status: DRAFT           |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)      | Level (m CD)  | Stratum Description                                                                                                                                                                     | Samples and Insitu Testing |                                                                                 |                     |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | Depth (m)                  |                                                                                 | Type                | Results                          |           |                         |                  |                  |                    |                 |
|                                                                                                                    |  | 11.96          | -9.32         | Medium dense to dense dark grey silty SAND. Sand is fine to medium grained.                                                                                                             | 10.20 - 10.35              |                                                                                 | ES                  | N=27 (3,4/4,7,8,8)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 10.50 - 10.95              |                                                                                 | SPT (S)             |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 10.50 - 10.95              |                                                                                 | D                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 10.70 - 10.85              |                                                                                 | ES                  |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 11.06 - 11.56              |                                                                                 | ES                  |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            | Medium dense to dense greyish brown silty SAND. Sand is fine to medium grained. | 12.00 - 12.45       |                                  | SPT (S)   | N=30 (4,5/6,7,8,9)      |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 | 12.00 - 12.45       |                                  | D         |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 | 12.66 - 12.76       |                                  | D         |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 | 12.76 - 13.26       |                                  | B         |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    | 13.26          | -10.62        | Medium dense to dense dark grey silty SAND. Sand is fine to medium grained.                                                                                                             | 13.50 - 13.95              |                                                                                 | SPT (S)             | N=34 (7,8/8,9,9,8)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 13.50 - 13.95              |                                                                                 | D                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 13.66 - 13.76              |                                                                                 | D                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    | 13.96          | -11.32        | Medium dense to dense greyish brown silty SAND. Sand is fine to medium grained.                                                                                                         | 14.26 - 14.76              |                                                                                 | B                   | N=5 (0,0/1,1,1,2)                |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 15.00 - 15.45              |                                                                                 | SPT (S)             |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 15.00 - 15.45              |                                                                                 | D                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 15.66 - 15.76              |                                                                                 | D                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 15.76 - 16.26              |                                                                                 | B                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 16.50 - 16.95              | SPT (S)                                                                         | N=33 (6,6/7,8,8,10) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 16.50 - 16.96              | D                                                                               |                     |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 17.26 - 17.66              |                                                                                 |                     |                                  | B         |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 17.66 - 17.76              |                                                                                 |                     |                                  | D         |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 18.00 - 18.45              | SPT (S)                                                                         | N=36 (6,8/8,9,9,10) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 18.01 - 18.46              | D                                                                               |                     |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 18.66 - 18.76              |                                                                                 |                     |                                  | D         |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 18.76 - 19.26              |                                                                                 |                     |                                  | B         |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    | 18.96          | -16.32        | Medium dense to dense brownish grey silty SAND. Sand is fine to medium grained.<br>Note: silt content within sediment increasing with depth.<br>Note: Occasional shell fragments noted. | 19.50 - 19.95              |                                                                                 | SPT (S)             | N=25 (4,6/6,5,6,8)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 19.51 - 19.96              |                                                                                 | D                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         | 19.66 - 19.76              |                                                                                 | D                   |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                                                                                                                                         |                            |                                                                                 |                     |                                  |           |                         |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                       |                                                                                    | Casing Depths  |               | General Remarks                                                                                                                                                                         |                            |                                                                                 | Chiselling          |                                  |           | Ground Water            |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                      | Diameter (mm)                                                                      | Depth Base (m) | Diameter (mm) | Depths are reported in mbgl.                                                                                                                                                            |                            |                                                                                 | From (m)            | To (m)                           | Time (hr) | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 31.95                                                                                                                                                                                               | 177                                                                                | 31.50          | 177           |                                                                                                                                                                                         |                            |                                                                                 |                     |                                  |           |                         |                  |                  |                    |                 |

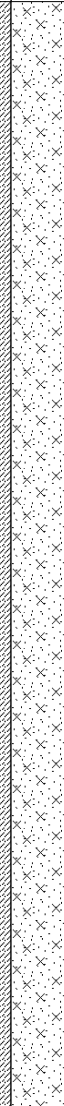






|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                |                                                                                                                 |             |                                                                             |        |           |                     |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------|--------|-----------|---------------------|------------------|------------------|--------------------|-----------------|
|  <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    | <b>Borehole Log</b>                     |                     |                                                                                                                                                                                                                                                                                                |                                                                                                                 |             | Scale 1:50 Sheet 1 of 4                                                     |        |           |                     |                  |                  |                    |                 |
| <b>Contract no:</b> S250403                                                                                                                                                       |                                                                                    | <b>Site:</b> MARINE GI - ARDERSIER      |                     |                                                                                                                                                                                                                                                                                                | <b>Driller:</b> Borehole Solutions Ltd<br><b>Plant used:</b> Fraste Multidrill ML<br><b>Started:</b> 01/09/2025 |             | <b>GL (AOD):</b> 1.02m<br><b>Easting:</b> 280564<br><b>Northing:</b> 858414 |        |           |                     |                  |                  |                    |                 |
| <b>Client:</b> HAVENTUS/ FAIRHURST                                                                                                                                                |                                                                                    | <b>Method:</b> Sonic overwater drilling |                     |                                                                                                                                                                                                                                                                                                | <b>Ended:</b> 04/09/2025<br><b>Backfilled:</b> 04/09/2025                                                       |             | <b>Logged:</b> SM<br><b>Status:</b> DRAFT                                   |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                |                                                                                                                 |             |                                                                             |        |           |                     |                  |                  |                    |                 |
| <b>Backfill / Installation</b>                                                                                                                                                    | <b>Legend</b>                                                                      | <b>Depth (m)</b>                        | <b>Level (m CD)</b> | <b>Stratum Description</b>                                                                                                                                                                                                                                                                     | <b>Samples and Insitu Testing</b>                                                                               |             |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | <b>Depth (m)</b>                                                                                                | <b>Type</b> | <b>Results</b>                                                              |        |           |                     |                  |                  |                    |                 |
|                                                                                                  |  |                                         |                     | Void comprising moonpool of drilling pontoon and depth of water prior to encountering sea-bed.                                                                                                                                                                                                 |                                                                                                                 |             |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    | 1.94                                    | 1.18                | Black, locally dark grey slightly clayey, silty SAND. Sand is fine to medium grained. Occasional shell fragments noted.                                                                                                                                                                        | 1.94 - 2.09                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    | 2.34                                    | 0.78                | Medium dense dark grey silty micaceous SAND. Sand is fine to medium grained.                                                                                                                                                                                                                   | 2.44 - 2.59                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 2.94 - 3.09                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 3.04 - 3.49                                                                                                     | SPT (S)     | N=12 (2,3/2,3,3,4)                                                          |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 3.44 - 3.59                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 3.94 - 4.09                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    | 4.22                                    | -1.10               | Medium dense to very dense dark grey slightly gravelly silty micaceous SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, granite and quartz. Occasional shell fragments noted. Rare organic lenses noted, slight organic odour on recovery. | 4.44 - 4.59                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 4.54 - 4.86                                                                                                     | SPT (S)     | N=50+ (6,9/21,22,7 for 20mm)                                                |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 4.94 - 5.09                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 5.44 - 5.59                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 5.94 - 6.09                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 6.04 - 6.35                                                                                                     | SPT (S)     | N=50+ (8,9/18,22,10 for 8mm)                                                |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 6.44 - 6.59                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 6.94 - 7.09                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 7.32 - 7.82                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 7.82 - 7.97                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 8.32 - 8.47                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 8.82 - 8.97                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    | 9.49                                    | -6.37               | Medium dense to very dense brownish grey slightly gravelly silty micaceous SAND. Sand is fine to medium grained. Gravel is sub-rounded to rounded, fine to medium of siltstone, micro granite and quartz.                                                                                      | 9.32 - 9.47                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                | 9.82 - 9.97                                                                                                     | ES          |                                                                             |        |           |                     |                  |                  |                    |                 |
| <b>Hole Diameter</b>                                                                                                                                                              |                                                                                    | <b>Casing Depths</b>                    |                     | <b>General Remarks</b>                                                                                                                                                                                                                                                                         |                                                                                                                 |             | <b>Ground Water</b>                                                         |        |           |                     |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                    | Diameter (mm)                                                                      | Depth Base (m)                          | Diameter (mm)       | Depths are reported in mbgl.                                                                                                                                                                                                                                                                   |                                                                                                                 |             | <b>Chiselling</b>                                                           |        |           | <b>Depth Strike</b> |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                    |                                         |                     |                                                                                                                                                                                                                                                                                                |                                                                                                                 |             | From (m)                                                                    | To (m) | Time (hr) | Depth Strike (m)    | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 34.24                                                                                                                                                                             | 177                                                                                | 33.79                                   | 177                 |                                                                                                                                                                                                                                                                                                |                                                                                                                 |             |                                                                             |        |           |                     |                  |                  |                    |                 |

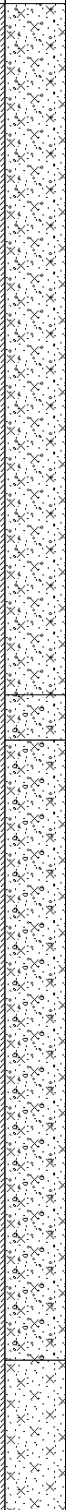
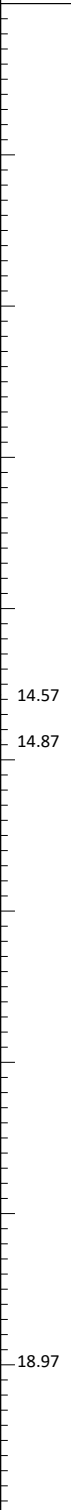
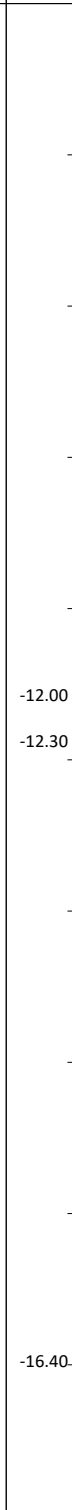
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------|------------------------------------|--|------------------|-------------------------|--|--|--------|--|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |           |              | <div>Borehole Log</div>                                                                                                                                                                                   |                            |  |         |                                    |  |                  | Scale 1:50 Sheet 2 of 4 |  |  | BH-109 |  |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |           |              | Site: MARINE GI - ARDERSIER                                                                                                                                                                               |                            |  |         | Driller: Borehole Solutions Ltd    |  | GL (AOD): 1.02m  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         | Plant used: Fraste Multidrill ML   |  | Easting: 280564  |                         |  |  |        |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         | Started: 01/09/2025                |  | Northing: 858414 |                         |  |  |        |  |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         | Ended: 04/09/2025                  |  | Logged: SM       |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         | Backfilled: 04/09/2025             |  | Status: DRAFT    |                         |  |  |        |  |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m) | Level (m CD) | Stratum Description                                                                                                                                                                                       | Samples and Insitu Testing |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | Depth (m)                  |  | Type    | Results                            |  |                  |                         |  |  |        |  |
|                                                                                                                    |  |           |              | Medium dense to very dense brownish grey slightly gravelly silty micaceous SAND. Sand is fine to medium grained. Gravel is sub-rounded to rounded, fine to medium of siltstone, micro granite and quartz. | 10.32 - 10.47              |  | ES      | N=50+ (7,8/10,25,15 for 10mm)      |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 10.82 - 10.97              |  | ES      |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 11.29 - 11.60              |  | SPT (S) |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 11.29 - 11.74              |  | SPTLS   |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 11.32 - 11.47              |  | ES      |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 11.82 - 11.97              |  | ES      |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 12.02 - 12.32              |  | B       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 12.32 - 12.47              |  | ES      |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 12.62 - 13.12              |  | ES      |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 12.79 - 13.24              |  | SPT (S) |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 12.79 - 13.24              |  | SPTLS   | N=22 (4,5/5,6,5,6)                 |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 13.22 - 13.32              |  | D       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 13.32 - 13.82              |  | B       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 14.22 - 14.32              |  | D       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 14.29 - 14.74              |  | SPT (S) | N=19 (4,4/5,5,4,5)                 |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 14.29 - 14.74              |  | SPTLS   |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 14.82 - 15.32              |  | B       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 15.22 - 15.32              |  | D       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 15.79 - 15.92              |  | SPT (S) | N=50+ (25 for 40mm/32,18 for 20mm) |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 15.79 - 16.24              |  | SPTLS   |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 16.22 - 16.32              |  | D       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 16.32 - 16.82              |  | B       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 17.22 - 17.32              |  | D       | N=33 (15,8/7,8,9,9)                |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 17.29 - 17.74              |  | SPT (S) |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 17.29 - 17.74              |  | SPTLS   |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 17.82 - 18.32              |  | B       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 18.22 - 18.32              |  | D       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 18.79 - 19.02              |  | SPT (S) | N=50+ (16,9 for 10mm/48,2)         |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 18.79 - 19.24              |  | SPTLS   |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 19.22 - 19.32              |  | D       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           | 19.32 - 19.82              |  | B       |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |
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| </                                                                                                                                                                                                  |                                                                                    |           |              |                                                                                                                                                                                                           |                            |  |         |                                    |  |                  |                         |  |  |        |  |

|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      |                            |              |                               |                                  |   |                         |  |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------|--------------|----------------------------------------------------------------------|----------------------------|--------------|-------------------------------|----------------------------------|---|-------------------------|--|--------|--|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |           |              | <div>Borehole Log</div>                                              |                            |              |                               |                                  |   | Scale 1:50 Sheet 3 of 4 |  | BH-109 |  |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |           |              | Site: MARINE GI - ARDERSIER                                          |                            |              |                               | Driller: Borehole Solutions Ltd  |   | GL (AOD): 1.02m         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      |                            |              |                               | Plant used: Fraste Multidrill ML |   | Easting: 280564         |  |        |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |           |              |                                                                      |                            |              |                               | Started: 01/09/2025              |   | Northing: 858414        |  |        |  |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |           |              |                                                                      |                            |              |                               | Ended: 04/09/2025                |   | Logged: SM              |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      |                            |              |                               | Backfilled: 04/09/2025           |   | Status: DRAFT           |  |        |  |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m) | Level (m CD) | Stratum Description                                                  | Samples and Insitu Testing |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | Depth (m)                  |              | Type                          | Results                          |   |                         |  |        |  |
|                                                                                                                    |  |           |              | Dense to very dense grey silty SAND. Sand is fine to medium grained. | 20.22 - 20.32              |              | D<br>SPT (S)<br>SPTLS         | N=42 (5,6/8,8,12,14)             |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 20.29 - 20.74              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 20.29 - 20.74              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 20.82 - 21.32              |              |                               |                                  | B |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 21.79 - 22.24              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 21.79 - 22.24              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 22.22 - 22.32              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 22.32 - 22.82              |              | D<br>B                        | N=50+ (8,10/12,14,22,2)          |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 23.29 - 23.74              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 23.29 - 23.74              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 23.82 - 24.22              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 24.22 - 24.32              |              | D                             | N=46 (9,8/9,10,12,15)            |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 24.79 - 25.18              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 24.79 - 25.24              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 25.22 - 25.32              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 25.32 - 25.82              |              | D<br>B                        | N=50+ (8,9/9,12,22,7 for 20mm)   |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 26.22 - 26.32              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 26.29 - 26.62              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 26.29 - 26.74              |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      | 26.82 - 27.32              |              | D<br>SPT (S)<br>SPTLS         | N=50+ (9,11/12,16,22 for 25mm)   |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              | 27.79 - 28.10                                                        |                            |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              | 28.22 - 28.32                                                        |                            |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              | 28.32 - 28.82                                                        |                            |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              | 29.22 - 29.32                                                        |                            | D<br>SPT (S) | N=50+ (8,12/20,24,6 for 25mm) |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              | 29.29 - 29.62                                                        |                            |              |                               |                                  |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              | 29.82 - 30.22                                                        |                            |              |                               | B                                |   |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      |                            |              |                               |                                  |   |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      |                            |              |                               |                                  |   |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |           |              |                                                                      |                            |              |                               |                                  |   |                         |  |        |  |
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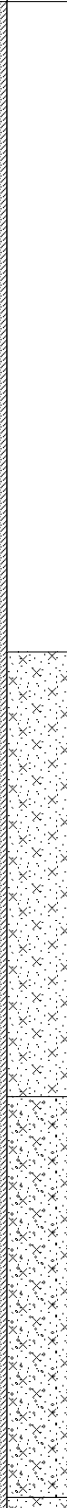


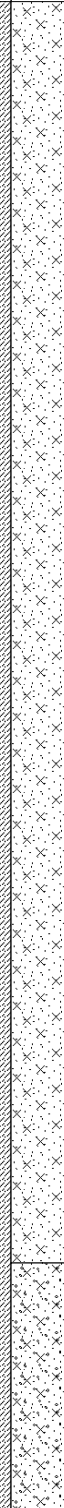
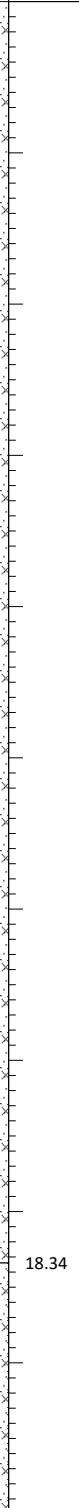
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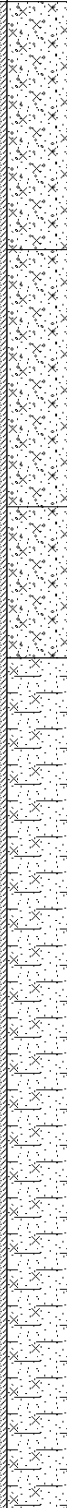
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------|-------------------------------|----------------------------|
| <div><div></div><div>SOLMEK</div></div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                               | <div>Borehole Log</div>                                                                       |                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                             |                                                                                                                                                                               |                               | <div>Scale 1:50 Sheet 2 of 3</div> <div>BH-110</div>                                                                             |                               |                             |                               |                            |
| <div>Contract no: S250403</div>                                                                                                                                                                                          |                                                                                               | <div>Site: MARINE GI - ARDERSIER</div>                                                        |                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                             | <div>Driller: Borehole Solutions Ltd</div> <div>Plant used: fraste XL 140</div> <div>Started: 22/09/2025</div> <div>Ended: 25/09/2025</div> <div>Backfilled: 25/09/2025</div> |                               | <div>GL (AOD): 0.47m</div> <div>Easting: 280699</div> <div>Northing: 858332</div> <div>Logged: SM</div> <div>Status: DRAFT</div> |                               |                             |                               |                            |
| <div>Client: HAVENTUS/ FAIRHURST</div>                                                                                                                                                                                   |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                             |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               |                            |
| <div>Method: Sonic overwater drilling</div>                                                                                                                                                                              |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                             |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               |                            |
| <div>Backfill / Installation</div>                                                                                                                                                                                       | <div>Legend</div>                                                                             | <div>Depth (m)</div>                                                                          | <div>Level (m CD)</div>                                                                       | <div>Stratum Description</div>                                                                                                                                                                                                                            | <div>Samples and Insitu Testing</div>                                                                                                       |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>Depth (m)</div>                                                                                                                        | <div>Type</div>                                                                                                                                                               | <div>Results</div>            |                                                                                                                                  |                               |                             |                               |                            |
| <div></div>                                                                                                                             | <div></div> | <div></div> | <div></div> | <div>Loose to medium dense light brownish grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone and quartz.</div>                                                              | <div>10.25 - 10.40</div>                                                                                                                    | <div>ES</div>                                                                                                                                                                 | <div>N=22 (2,4/4,5,6,7)</div> |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>10.40 - 10.85</div>                                                                                                                    | <div>SPT (S)</div>                                                                                                                                                            |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>10.40 - 10.85</div>                                                                                                                    | <div>SPTLS</div>                                                                                                                                                              |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>10.75 - 10.90</div>                                                                                                                    | <div>ES</div>                                                                                                                                                                 |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>11.25 - 11.40</div>                                                                                                                    | <div>ES</div>                                                                                                                                                                 | <div>N=25 (4,4/5,6,6,8)</div> |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>11.75 - 11.90</div>                                                                                                                    | <div>ES</div>                                                                                                                                                                 |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>11.90 - 12.35</div>                                                                                                                    | <div>SPT (S)</div>                                                                                                                                                            |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>12.07 - 12.57</div>                                                                                                                    | <div>ES</div>                                                                                                                                                                 |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>13.40 - 13.85</div>                                                                                                                    | <div>SPT (S)</div>                                                                                                                                                            | <div>N=24 (4,5/5,6,6,7)</div> |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           | <div>13.57 - 14.07</div>                                                                                                                    | <div>B</div>                                                                                                                                                                  |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>14.17 - 14.27</div>                                                                                                                                                                                                                                  | <div>D</div>                                                                                                                                | <div>N=0 (0,0/0,0,0,0)</div>                                                                                                                                                  |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>Loose to dense dark grey, gravelly silty SAND with a low cobble content. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to coarse of siltstone and quartz. Cobbles are sub-angular to rounded of gneiss and siltstone.</div> | <div>15.07 - 15.57</div>                                                                                                                    |                                                                                                                                                                               |                               |                                                                                                                                  | <div>B</div>                  |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                             |                                                                                                                                                                               |                               |                                                                                                                                  |                               | <div>16.17 - 16.27</div>    | <div>D</div>                  |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                             |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               | <div>16.40 - 16.85</div>   |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>16.57 - 17.07</div>                                                                                                                                                                                                                                  | <div>B</div>                                                                                                                                |                                                                                                                                                                               |                               |                                                                                                                                  | <div>N=22 (4,5/4,5,6,7)</div> |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>17.90 - 18.35</div>                                                                                                                                                                                                                                  | <div>SPT (S)</div>                                                                                                                          |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>17.90 - 18.35</div>                                                                                                                                                                                                                                  | <div>SPTLS</div>                                                                                                                            |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>18.07 - 18.57</div>                                                                                                                                                                                                                                  | <div>B</div>                                                                                                                                |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>18.17 - 18.27</div>                                                                                                                                                                                                                                  | <div>D</div>                                                                                                                                | <div>N=22 (4,5/4,5,6,7)</div>                                                                                                                                                 |                               |                                                                                                                                  |                               |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>18.97 -16.40</div>                                                                                                                                                                                                                                   | <div>Medium dense to very dense light grey locally grey silty SAND. Sand is fine to medium grained. Occasional shell fragments noted.</div> |                                                                                                                                                                               |                               |                                                                                                                                  | <div>19.17 - 19.27</div>      | <div>D</div>                |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                             |                                                                                                                                                                               |                               |                                                                                                                                  | <div>19.57 - 20.07</div>      | <div>B</div>                |                               |                            |
|                                                                                                                                                                                                                          |                                                                                               |                                                                                               |                                                                                               | <div>Hole Diameter</div>                                                                                                                                                                                                                                  | <div>Casing Depths</div>                                                                                                                    | <div>General Remarks</div>                                                                                                                                                    |                               |                                                                                                                                  | <div>Chiselling</div>         |                             |                               | <div>Ground Water</div>    |
| <div>Depth Base (m)</div>                                                                                                                                                                                                | <div>Diameter (mm)</div>                                                                      | <div>Depth Base (m)</div>                                                                     | <div>Diameter (mm)</div>                                                                      | <div>Depths are reported in mbgl.</div>                                                                                                                                                                                                                   | <div>From (m)</div>                                                                                                                         | <div>To (m)</div>                                                                                                                                                             | <div>Time (hr)</div>          | <div>Depth Strike (m)</div>                                                                                                      | <div>Depth Casing (m)</div>   | <div>Depth Sealed (m)</div> | <div>Time Elapsed (min)</div> | <div>Water Level (m)</div> |
| <div>25.85</div>                                                                                                                                                                                                         | <div>177</div>                                                                                | <div>25.40</div>                                                                              | <div>177</div>                                                                                |                                                                                                                                                                                                                                                           |                                                                                                                                             |                                                                                                                                                                               |                               |                                                                                                                                  |                               |                             |                               |                            |





|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|------|--------------------------------------------|---------|-------------------------|--|-----------------------------|--|
| <div><div> SOLMEK</div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                                                                                                                   |                            |  |      |                                            |         | Scale 1:50 Sheet 1 of 4 |  | BH-111                      |  |
| <div>Contract no: S250403</div>                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    | <div>Site: MARINE GI - ARDERSIER</div>                                                                                                                                                    |                            |  |      | <div>Driller: Borehole Solutions Ltd</div> |         |                         |  | <div>GL (AOD): 0.74m</div>  |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      | <div>Plant used: fraste XL 140</div>       |         |                         |  | <div>Easting: 280794</div>  |  |
| <div>Client: HAVENTUS/ FAIRHURST</div>                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      | <div>Started: 22/09/2025</div>             |         |                         |  | <div>Northing: 858246</div> |  |
| <div>Method: Sonic overwater drilling</div>                                                                                                                                                                   |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      | <div>Ended: 25/06/2025</div>               |         |                         |  | <div>Logged: SM</div>       |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      | <div>Backfilled: 25/09/2025</div>          |         |                         |  | <div>Status: DRAFT</div>    |  |
| Backfill / Installation                                                                                                                                                                                       | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                                                                                                                       | Samples and Insitu Testing |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           | Depth (m)                  |  | Type |                                            | Results |                         |  |                             |  |
|                                                                                                                              |  |  |  | Void comprising moonpool of drilling pontoon and depth of water prior to encountering sea-bed.                                                                                            |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    | Organic, black, very silty SAND. Sand is fine to medium grained.                                                                                                                          |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
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|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    | Medium dense Grey to brownish grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, micro granite and quartz. |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
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|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    | Medium dense Light grey silty SAND. Sand is fine to medium grained.                                                                                                                       |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
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|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                           |                            |  |      |                                            |         |                         |  |                             |  |

| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                             |                            |  |                             |                                 |                    | Scale 1:50 Sheet 2 of 4 |                   | BH-111             |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------|--|-----------------------------|---------------------------------|--------------------|-------------------------|-------------------|--------------------|--------------------|-----------------|
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                         |                            |  |                             | Driller: Borehole Solutions Ltd |                    | GL (AOD): 0.74m         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     |                            |  |                             | Plant used: fraste XL 140       |                    | Easting: 280794         |                   |                    |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                                                                                    |                                                                                    |                                                                     |                            |  |                             | Started: 22/09/2025             |                    | Northing: 858246        |                   |                    |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                     |                            |  |                             | Ended: 25/06/2025               |                    | Logged: SM              |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     |                            |  |                             | Backfilled: 25/09/2025          |                    | Status: DRAFT           |                   |                    |                    |                 |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                 | Samples and Insitu Testing |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | Depth (m)                  |  | Type                        | Results                         |                    |                         |                   |                    |                    |                 |
|                                                                                                                    |  |  |  | Medium dense Light grey silty SAND. Sand is fine to medium grained. | 10.30 - 10.75              |  | SPT (S)<br>D<br>ES          | N=7 (1,1/1,2,2,2)               |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 10.30 - 10.45              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 10.30 - 10.75              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 11.30 - 11.45              |  | ES                          |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 11.80 - 12.25              |  |                             |                                 | SPT (S)<br>D       | N=9 (2,2/2,2,2,3)       |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 11.80 - 12.25              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 12.34 - 12.84              |  | ES                          |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 12.94 - 13.04              |  |                             |                                 | D<br>B             |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 13.04 - 13.54              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 13.30 - 13.75              |  | SPT (S)<br>D                | N=14 (2,3/3,3,4,4)              |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 13.30 - 13.75              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 13.94 - 14.04              |  |                             |                                 | D                  |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 14.54 - 15.04              |  | B                           |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 14.80 - 15.25              |  |                             |                                 |                    |                         | SPT (S)<br>D<br>D | N=14 (2,3/3,4,3,4) |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 14.80 - 15.25              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 14.94 - 15.04              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 15.94 - 16.04              |  | D<br>B                      |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 16.04 - 16.54              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 16.30 - 16.75              |  |                             |                                 | SPT (S)<br>D       | N=16 (3,3/3,4,4,5)      |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 16.30 - 16.75              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 16.94 - 17.04              |  | D                           |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 17.54 - 18.04              |  |                             |                                 | B                  |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 17.80 - 18.25              |  |                             |                                 |                    |                         | SPT (S)<br>D<br>D | N=20 (3,4/4,4,5,7) |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 17.80 - 18.25              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 17.94 - 18.04              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 18.94 - 19.04              |  | D<br>D<br>B<br>SPT (S)<br>D |                                 | N=24 (3,4/4,5,7,8) |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 18.94 - 19.04              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 19.04 - 19.54              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 19.30 - 19.75              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 19.30 - 19.75              |  |                             |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     | 19.94 - 20.04              |  | D                           |                                 |                    |                         |                   |                    |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                     |                            |  |                             |                                 |                    |                         |                   |                    |                    |                 |
| Hole Diameter                                                                                                                                                                                       |                                                                                    | Casing Depths                                                                      |                                                                                    | General Remarks                                                     |                            |  | Chiselling                  |                                 |                    | Ground Water            |                   |                    |                    |                 |
| Depth Base (m)                                                                                                                                                                                      | Diameter (mm)                                                                      | Depth Base (m)                                                                     | Diameter (mm)                                                                      | Depths are reported in mbgl.                                        |                            |  | From (m)                    | To (m)                          | Time (hr)          | Depth Strike (m)        | Depth Casing (m)  | Depth Sealed (m)   | Time Elapsed (min) | Water Level (m) |
| 33.25                                                                                                                                                                                               | 177                                                                                | 32.80                                                                              | 177                                                                                |                                                                     |                            |  |                             |                                 |                    |                         |                   |                    |                    |                 |

|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|----------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|----------------------------|--|
| <div><div></div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                               |                                                                                               |                                                                                               | <div>Borehole Log</div>                                                                                                                                                                  |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               | <div>Scale 1:50 Sheet 3 of 4</div> <div>BH-111</div>                                                                             |                       |                    |                      |                             |                             |                             |                               |                            |  |
| <div>Contract no: S250403</div>                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | <div>Site: MARINE GI - ARDERSIER</div>                                                                                                                                                   |                                       |                                                                                                                                                                                         |                          | <div>Driller: Borehole Solutions Ltd</div> <div>Plant used: fraste XL 140</div> <div>Started: 22/09/2025</div> <div>Ended: 25/06/2025</div> <div>Backfilled: 25/09/2025</div> |               | <div>GL (AOD): 0.74m</div> <div>Easting: 280794</div> <div>Northing: 858246</div> <div>Logged: SM</div> <div>Status: DRAFT</div> |                       |                    |                      |                             |                             |                             |                               |                            |  |
| <div>Client: HAVENTUS/ FAIRHURST</div>                                                                                                                                                                 |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
| <div>Method: Sonic overwater drilling</div>                                                                                                                                                            |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
| <div>Backfill / Installation</div>                                                                                                                                                                     | <div>Legend</div>                                                                             | <div>Depth (m)</div>                                                                          | <div>Level (m CD)</div>                                                                       | <div>Stratum Description</div>                                                                                                                                                           | <div>Samples and Insitu Testing</div> |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          | <div>Depth (m)</div>                  |                                                                                                                                                                                         | <div>Type</div>          | <div>Results</div>                                                                                                                                                            |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
| <div></div>                                                                                                           | <div></div> | <div></div> | <div></div> | Medium dense Grey to brownish grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, microgranite and quartz. | 20.54 - 21.04                         |                                                                                                                                                                                         | B                        | N=26 (3,5/5,6,7,8)                                                                                                                                                            |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 20.80 - 21.25                                                                                                                                                                            |                                       | SPT (S)                                                                                                                                                                                 |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 20.94 - 21.04                                                                                                                                                                            |                                       | D                                                                                                                                                                                       |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 21.64                                                                                                                                                                                    | -18.80                                | Medium dense Dark grey very gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-rounded to rounded, fine to medium of mixed lithologies. Frequent shell fragments noted. | 21.94 - 22.04            |                                                                                                                                                                               | D             | N=27 (4,5/6,7,6,8)                                                                                                               |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 22.04 - 22.54                                                                                                                                                                            |                                       | B                                                                                                                                                                                       |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 22.30 - 22.75                                                                                                                                                                            |                                       | SPT (S)                                                                                                                                                                                 |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 23.34                                                                                                                                                                                    | -20.50                                | Medium dense grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, microgranite and quartz.                 | 22.94 - 23.04            |                                                                                                                                                                               | D             | N=28 (4,5/7,7,7,7)                                                                                                               |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         | 23.54 - 24.04            |                                                                                                                                                                               | B             |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         | 23.80 - 24.25            |                                                                                                                                                                               | SPT (S)       |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 24.34                                                                                                                                                                                    | -21.50                                | Loose to medium dense Dark grey slightly clayey silty SAND. Sand is fine to medium grained.                                                                                             | 23.94 - 24.04            |                                                                                                                                                                               | D             | N=28 (4,5/5,7,8,8)                                                                                                               |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         | 24.94 - 25.04            |                                                                                                                                                                               | D             |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         | 25.04 - 25.54            |                                                                                                                                                                               | B             |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               | 25.30 - 25.75 |                                                                                                                                  | SPT (S)               | N=13 (2,3/3,3,3,4) |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               | 25.94 - 26.04 |                                                                                                                                  | D                     | N=4 (1,0/1,1,1,1)  |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               | 26.54 - 27.04 |                                                                                                                                  | B                     |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               | 26.80 - 27.25 |                                                                                                                                  | SPT (S)               |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 26.94 - 27.04               |                             | D                           | N=19 (3,4/4,4,5,6)            |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 27.94 - 28.04               |                             | D                           |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 28.04 - 28.54               |                             | B                           |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 28.30 - 28.75               |                             | SPT (S)                     | N=28 (4,5/5,7,8,8)            |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 28.30 - 28.75               |                             | D                           |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 28.94 - 29.04               |                             | D                           |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 29.54 - 30.04               |                             | B                           | N=28 (4,5/5,7,8,8)            |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               |                                                                                                                                                                                          |                                       |                                                                                                                                                                                         |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      | 29.80 - 30.25               |                             | SPT (S)                     |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 29.94 - 30.04                                                                                                                                                                            |                                       | D                                                                                                                                                                                       |                          |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | <div>Hole Diameter</div>                                                                                                                                                                 |                                       | <div>Casing Depths</div>                                                                                                                                                                |                          | <div>General Remarks</div>                                                                                                                                                    |               |                                                                                                                                  | <div>Chiselling</div> |                    |                      | <div>Ground Water</div>     |                             |                             |                               |                            |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | <div>Depth Base (m)</div>                                                                                                                                                                | <div>Diameter (mm)</div>              | <div>Depth Base (m)</div>                                                                                                                                                               | <div>Diameter (mm)</div> | <div>Depths are reported in mbgl.</div>                                                                                                                                       |               |                                                                                                                                  | <div>From (m)</div>   | <div>To (m)</div>  | <div>Time (hr)</div> | <div>Depth Strike (m)</div> | <div>Depth Casing (m)</div> | <div>Depth Sealed (m)</div> | <div>Time Elapsed (min)</div> | <div>Water Level (m)</div> |  |
|                                                                                                                                                                                                        |                                                                                               |                                                                                               |                                                                                               | 33.25                                                                                                                                                                                    | 177                                   | 32.80                                                                                                                                                                                   | 177                      |                                                                                                                                                                               |               |                                                                                                                                  |                       |                    |                      |                             |                             |                             |                               |                            |  |



## Borehole Log

# BH-111

|                  |        |
|------------------|--------|
| <b>GL (AOD):</b> | 0.74m  |
| <b>Easting:</b>  | 280794 |
| <b>Northing:</b> | 858246 |
| <b>Logged:</b>   | SM     |
| <b>Status:</b>   | DRAFT  |

|                |                          |
|----------------|--------------------------|
| <b>Method:</b> | Sonic overwater drilling |
|----------------|--------------------------|

[illegible]



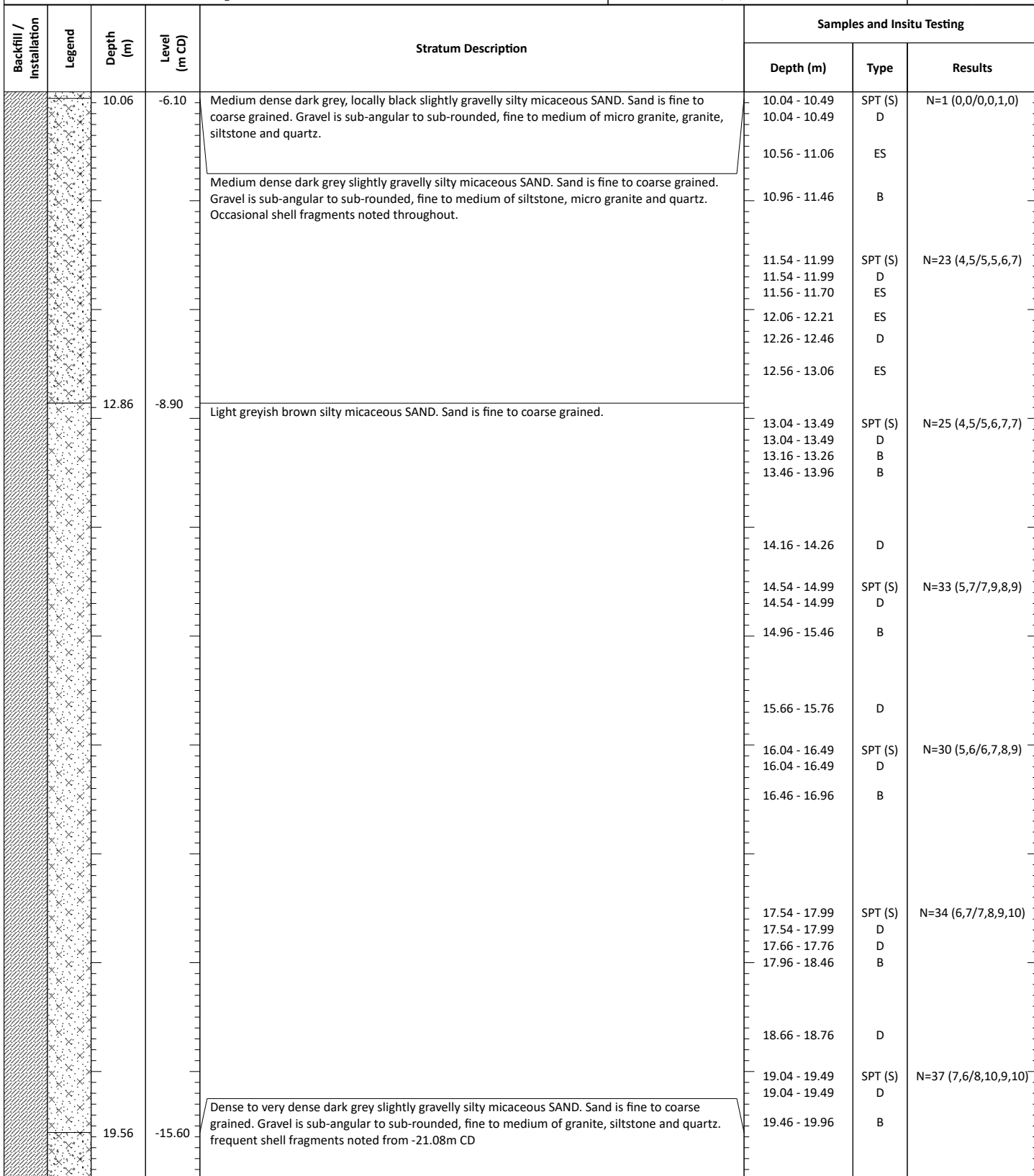
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------|---------------|------------------------------------------------------------------------------------------------|----------------------------------|------|--------------------|-----------------|------------------------------------------------------|-----------|------------------|------------------|------------------|--------------------|-----------------|--|--|--|
| <div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                     |                             |               | <div>Borehole Log</div>                                                                        |                                  |      |                    |                 | <div>Scale 1:50 Sheet 1 of 3</div> <div>BH-112</div> |           |                  |                  |                  |                    |                 |  |  |  |
| Contract no: S250403                                                                                                                                                                        |                                                                                     | Site: MARINE GI - ARDERSIER |               |                                                                                                | Driller: Borehole Solutions Ltd  |      | GL (AOD): 0.54m    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                | Plant used: Fraste Multidrill ML |      | Easting: 280896    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                | Started: 19/08/2025              |      | Northing: 858213   |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                 |                                                                                     |                             |               |                                                                                                | Ended: 20/08/2025                |      | Logged: SM         |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
| Method: Sonic overwater drilling                                                                                                                                                            |                                                                                     |                             |               |                                                                                                | Backfilled: 20/08/2025           |      | Status: DRAFT      |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
| Backfill / Installation                                                                                                                                                                     | Legend                                                                              | Depth (m)                   | Level (m CD)  | Stratum Description                                                                            | Samples and Insitu Testing       |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                | Depth (m)                        | Type | Results            |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                            |  | 5.29                        | -2.65         | Void comprising moonpool of drilling pontoon and depth of water prior to encountering sea-bed. | 5.29 - 5.44                      | ES   | N=4 (1,1/1,1,1,1)  |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                          |  | 5.29                        | -2.65         | Loose to medium dense Dark grey sandy SILT. Sand fine to coarse.                               | 5.29 - 5.44                      | ES   | N=17 (2,3/3,4,5,5) |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                          |  | 5.29                        | -2.65         | Loose to medium dense Dark grey sandy SILT. Sand fine to coarse.                               | 5.29 - 5.44                      | ES   | N=21 (3,4/4,5,6,6) |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
|                                                                                                                                                                                             |                                                                                     |                             |               |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |
| Hole Diameter                                                                                                                                                                               |                                                                                     |                             |               |                                                                                                | Casing Depths                    |      |                    | General Remarks |                                                      |           | Chiselling       |                  |                  | Ground Water       |                 |  |  |  |
| Depth Base (m)                                                                                                                                                                              | Diameter (mm)                                                                       | Depth Base (m)              | Diameter (mm) | Depths are reported in mbgl.                                                                   |                                  |      |                    | From (m)        | To (m)                                               | Time (hr) | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |  |  |  |
| 27.91                                                                                                                                                                                       | 177                                                                                 | 27.46                       | 177           |                                                                                                |                                  |      |                    |                 |                                                      |           |                  |                  |                  |                    |                 |  |  |  |

| <div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                 |                            |                 |          |                                  |            | Scale 1:50 Sheet 2 of 3 |                  | BH-112           |                    |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------|-----------------|----------|----------------------------------|------------|-------------------------|------------------|------------------|--------------------|-----------------|
| Contract no: S250403                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                             |                            |                 |          | Driller: Borehole Solutions Ltd  |            | GL (AOD): 0.54m         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         |                            |                 |          | Plant used: Fraste Multidrill ML |            | Easting: 280896         |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                 |                                                                                    |                                                                                    |                                                                                    |                                                                         |                            |                 |          | Started: 19/08/2025              |            | Northing: 858213        |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                            |                                                                                    |                                                                                    |                                                                                    |                                                                         |                            |                 |          | Ended: 20/08/2025                |            | Logged: SM              |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         |                            |                 |          | Backfilled: 20/08/2025           |            | Status: DRAFT           |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                     | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                     | Samples and Insitu Testing |                 |          |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | Depth (m)                  |                 | Type     | Results                          |            |                         |                  |                  |                    |                 |
|                                                                                                            |  |  |  | Loose to medium dense Dark grey sandy SILT. Sand fine to coarse.        | 9.79 - 10.29               |                 | ES       | N=22 (3,5/5,5,6,6)               |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 10.29 - 10.79              |                 | ES       |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 10.79 - 11.29              |                 | ES       |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 11.29 - 11.74              |                 | SPT (S)  |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 11.29 - 11.74              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 11.79 - 12.29              |                 | ES       |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 12.29 - 12.79              |                 | ES       |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 12.79 - 13.24              |                 | SPT (S)  | N=20 (3,4/5,5,5,5)               |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 12.79 - 13.24              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 12.84 - 12.94              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 13.14                      |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 13.64 - 14.14              |                 | B        | N=18 (3,4/4,5,4,5)               |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | Medium dense Dark grey clayey slightly sandy SILT. Sand fine to coarse. | 14.14 - 14.24              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 14.29 - 14.74              |                 | SPT (S)  |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 14.29 - 14.74              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 15.14 - 15.24              |                 | D        | N=24 (4,5/5,5,6,8)               |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 15.24 - 15.74              |                 | B        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 15.79 - 16.24              |                 | SPT (S)  |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 15.79 - 16.24              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 16.14 - 16.24              |                 | D        | N=27 (4,5/6,6,7,8)               |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 16.64 - 17.14              |                 | B        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 17.29 - 17.74              |                 | SPT (S)  |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 17.29 - 17.74              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 18.14 - 18.24              |                 | D        | N=28 (4,5/6,7,7,8)               |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 18.24 - 18.74              |                 | B        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 18.79 - 19.24              |                 | SPT (S)  |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 18.79 - 19.24              |                 | D        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 19.14 - 19.24              |                 | D        | N=28 (4,5/6,7,7,8)               |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         | 19.64 - 20.14              |                 | B        |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                         |                            |                 |          |                                  |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    | Hole Diameter                                                                      |                                                                                    | Casing Depths                                                           |                            | General Remarks |          |                                  | Chiselling |                         |                  | Ground Water     |                    |                 |
| Depth Base (m)                                                                                                                                                                              | Diameter (mm)                                                                      | Depth Base (m)                                                                     | Diameter (mm)                                                                      | Depths are reported in mbgl.                                            |                            |                 | From (m) | To (m)                           | Time (hr)  | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 27.91                                                                                                                                                                                       | 177                                                                                | 27.46                                                                              | 177                                                                                |                                                                         |                            |                 |          |                                  |            |                         |                  |                  |                    |                 |

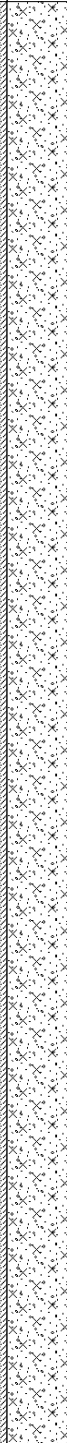
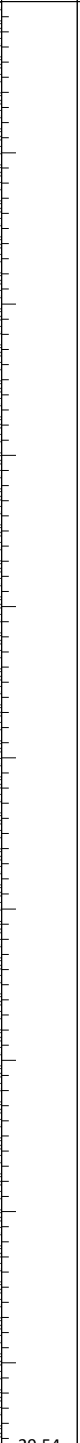


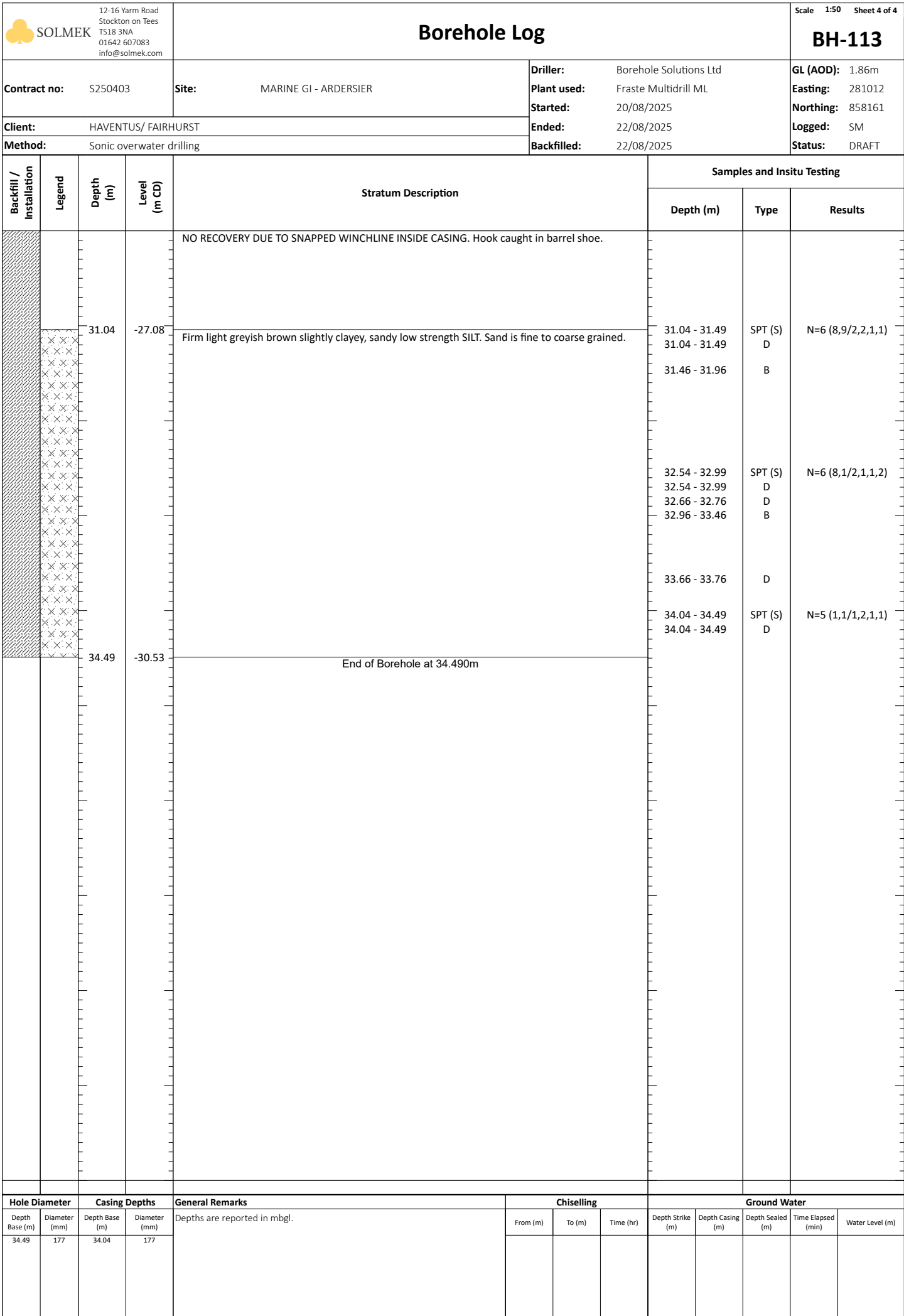


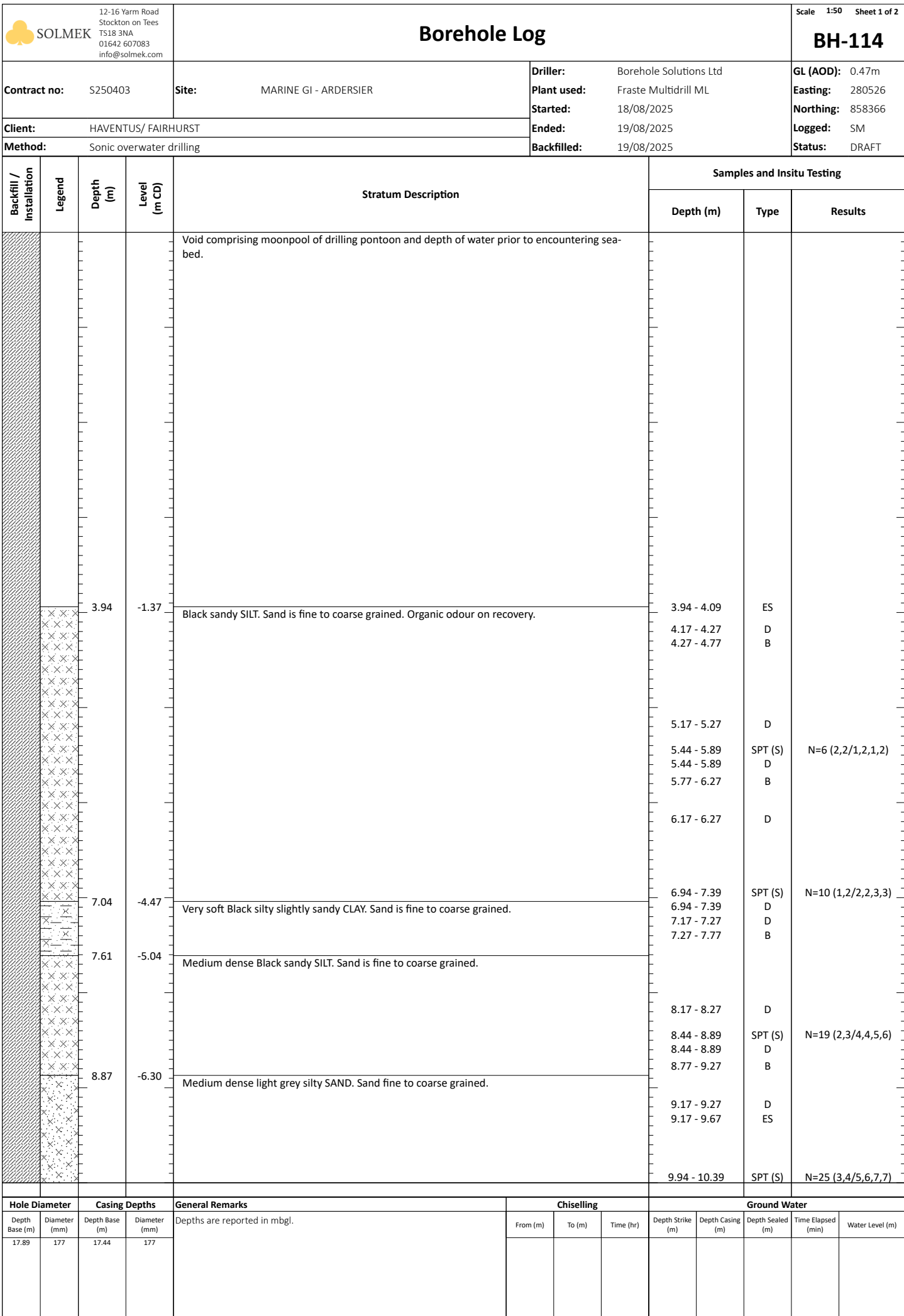


| Backfill /<br>Installation                                                         | Legend | Depth<br>(m) | Level<br>(m CD) | Stratum Description                                                                                                                                                                                                                         | Samples and Insitu Testing                                                |               |                      |                    |
|------------------------------------------------------------------------------------|--------|--------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------|----------------------|--------------------|
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | Depth (m)                                                                 | Type          | Results              |                    |
|  |        | 10.06        | -6.10           | Medium dense dark grey, locally black slightly gravelly silty micaceous SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of micro granite, granite, siltstone and quartz.                         | 10.04 - 10.49                                                             | SPT (S)       | N=1 (0,0/0,0,1,0)    |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 10.04 - 10.49                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 10.56 - 11.06                                                             | ES            |                      |                    |
|                                                                                    |        |              |                 | Medium dense dark grey slightly gravelly silty micaceous SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of siltstone, micro granite and quartz. Occasional shell fragments noted throughout.    | 10.96 - 11.46                                                             | B             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 11.54 - 11.99                                                             | SPT (S)       | N=23 (4,5/5,5,6,7)   |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 11.54 - 11.99                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 11.56 - 11.70                                                             | ES            |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 12.06 - 12.21                                                             | ES            |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 12.26 - 12.46                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 12.56 - 13.06                                                             | ES            |                      |                    |
|                                                                                    |        |              | 12.86           | -8.90                                                                                                                                                                                                                                       | Light greyish brown silty micaceous SAND. Sand is fine to coarse grained. | 13.04 - 13.49 | SPT (S)              | N=25 (4,5/5,6,7,7) |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 13.04 - 13.49                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 13.16 - 13.26                                                             | B             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 13.46 - 13.96                                                             | B             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 14.16 - 14.26                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 14.54 - 14.99                                                             | SPT (S)       | N=33 (5,7/7,9,8,9)   |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 14.54 - 14.99                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 14.96 - 15.46                                                             | B             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 15.66 - 15.76                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 16.04 - 16.49                                                             | SPT (S)       | N=30 (5,6/6,7,8,9)   |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 16.04 - 16.49                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 16.46 - 16.96                                                             | B             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 17.54 - 17.99                                                             | SPT (S)       | N=34 (6,7/7,8,9,10)  |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 17.54 - 17.99                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 17.66 - 17.76                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 17.96 - 18.46                                                             | B             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 18.66 - 18.76                                                             | D             |                      |                    |
|                                                                                    |        |              |                 |                                                                                                                                                                                                                                             | 19.04 - 19.49                                                             | SPT (S)       | N=37 (7,6/8,10,9,10) |                    |
|                                                                                    |        |              |                 | 19.04 - 19.49                                                                                                                                                                                                                               | D                                                                         |               |                      |                    |
|                                                                                    |        | 19.56        | -15.60          | Dense to very dense dark grey slightly gravelly silty micaceous SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of granite, siltstone and quartz. frequent shell fragments noted from -21.08m CD | 19.46 - 19.96                                                             | B             |                      |                    |

| Hole Diameter  |               | Casing Depths  |               | General Remarks | Chiselling |        |           | Ground Water     |                  |                  |                    |                 |
|----------------|---------------|----------------|---------------|-----------------|------------|--------|-----------|------------------|------------------|------------------|--------------------|-----------------|
| Depth Base (m) | Diameter (mm) | Depth Base (m) | Diameter (mm) |                 | From (m)   | To (m) | Time (hr) | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 34.49          | 177           | 34.04          | 177           |                 |            |        |           |                  |                  |                  |                    |                 |

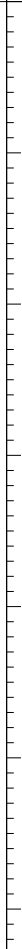
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             |                                  |               |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------|---------------------------------------------------------------------------------|-------------------------|------------------------------|--------|------------|--------|-----------|------------------|------------------|------------------|
| <div><div>SOLMEK</div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                                                                                                                                                                     |                                  |               |                                                                                 | Scale 1:50 Sheet 3 of 4 |                              | BH-113 |            |        |           |                  |                  |                  |
| Contract no: S250403                                                                                                                                                                                         |                                                                                    | Site: MARINE GI - ARDERSIER                                                        |                                                                                    |                                                                                                                                                                                                                                             | Driller: Borehole Solutions Ltd  |               | GL (AOD): 1.86m                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | Plant used: Fraste Multidrill ML |               | Easting: 281012                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | Started: 20/08/2025              |               | Northing: 858161                                                                |                         |                              |        |            |        |           |                  |                  |                  |
| Method: Sonic overwater drilling                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | Ended: 22/08/2025                |               | Logged: SM                                                                      |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | Backfilled: 22/08/2025           |               | Status: DRAFT                                                                   |                         |                              |        |            |        |           |                  |                  |                  |
| Backfill / Installation                                                                                                                                                                                      | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                                                                                                                                                                         | Samples and Insitu Testing       |               |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | Depth (m)                        | Type          | Results                                                                         |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                             |  |  |  | Dense to very dense dark grey slightly gravelly silty micaceous SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of granite, siltstone and quartz. frequent shell fragments noted from -21.08m CD | 20.54 - 20.99                    | SPT (S)       | N=30 (7,7/7,8,8,7)                                                              |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 20.54 - 20.99                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 20.66 - 20.76                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 20.96 - 21.46                    | B             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 21.66 - 21.76                    | D             | N=42 (8,10/8,10,12,12)                                                          |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 22.04 - 22.49                    | SPT (S)       |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 22.04 - 22.49                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 22.46 - 23.76                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 23.54 - 23.99                    | SPT (S)       | N=0 (0,0/0,0,0,0)                                                               |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 23.54 - 23.99                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 23.66 - 24.46                    | B             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 23.96 - 24.76                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 24.66 - 25.96                    | B             | N=50+ (9,9/10,12,15,13)                                                         |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 25.04 - 25.49                    | SPT (S)       |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 25.04 - 25.49                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 25.46 - 26.76                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 26.54 - 26.92                    | SPT (S)       | N=50+ (9,9/11,14,25)                                                            |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 26.54 - 26.99                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 26.66 - 27.46                    | B             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 26.96 - 27.76                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 27.66 - 28.96                    | B             | 15kPa<br>N=49 (8,9/9,10,12,18)                                                  |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 28.00                            | HV            |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 28.04 - 28.49                    | SPT (S)       |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 28.04 - 28.49                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 28.46 - 28.96                    | B             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 29.54 - 29.99                    | SPT (S)       | N=50+ (7,8/9,12,14,15)                                                          |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 29.54 - 29.99                    | D             |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | 29.54                            | -25.58        | NO RECOVERY DUE TO SNAPPED WINCHLINE INSIDE CASING. Hook caught in barrel shoe. |                         |                              |        |            |        |           |                  |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | Hole Diameter                    |               | Casing Depths                                                                   |                         | General Remarks              |        | Chiselling |        |           | Ground Water     |                  |                  |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                             | Depth Base (m)                   | Diameter (mm) | Depth Base (m)                                                                  | Diameter (mm)           | Depths are reported in mbgl. |        | From (m)   | To (m) | Time (hr) | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) |
| 34.49                                                                                                                                                                                                        | 177                                                                                | 34.04                                                                              | 177                                                                                |                                                                                                                                                                                                                                             |                                  |               |                                                                                 |                         |                              |        |            |        |           |                  |                  |                  |

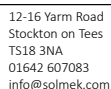








|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------|--|------|----------------------------------|---------|-------------------------|--|--------|--|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                        |                            |  |      |                                  |         | Scale 1:50 Sheet 1 of 2 |  | BH-115 |  |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                                                    |                            |  |      | Driller: Borehole Solutions Ltd  |         | GL (AOD): 0.14m         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      | Plant used: Fraste Multidrill ML |         | Easting: 280946         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      | Started: 14/08/2025              |         | Northing: 858131        |  |        |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      | Ended: 14/08/2025                |         | Logged: SM              |  |        |  |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      | Backfilled: 14/08/2025           |         | Status: DRAFT           |  |        |  |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                            | Samples and Insitu Testing |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                | Depth (m)                  |  | Type |                                  | Results |                         |  |        |  |
|                                                                                                                    |  |  |  | Void comprising moonpool of drilling pontoon and depth of water prior to encountering sea-bed. |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                |                            |  |      |                                  |         |                         |  |        |  |
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## Borehole Log

|       |      |              |
|-------|------|--------------|
| Scale | 1:50 | Sheet 2 of 2 |
|-------|------|--------------|

# BH-115

**Contract no:** S250403

**Site:** MARINE GI - ARDESIER

|                 |                        |
|-----------------|------------------------|
| <b>Driller:</b> | Borehole Solutions Ltd |
|-----------------|------------------------|

Plant used: Fraste Multidrill ML

**Started:** 14/08/2025

**Ended:** 14/08/2025

**Backfilled:** 14/08/2025

|           |       |
|-----------|-------|
| GL (AOD): | 0.14m |
|-----------|-------|

Easting: 280946

**Northing:** 858131

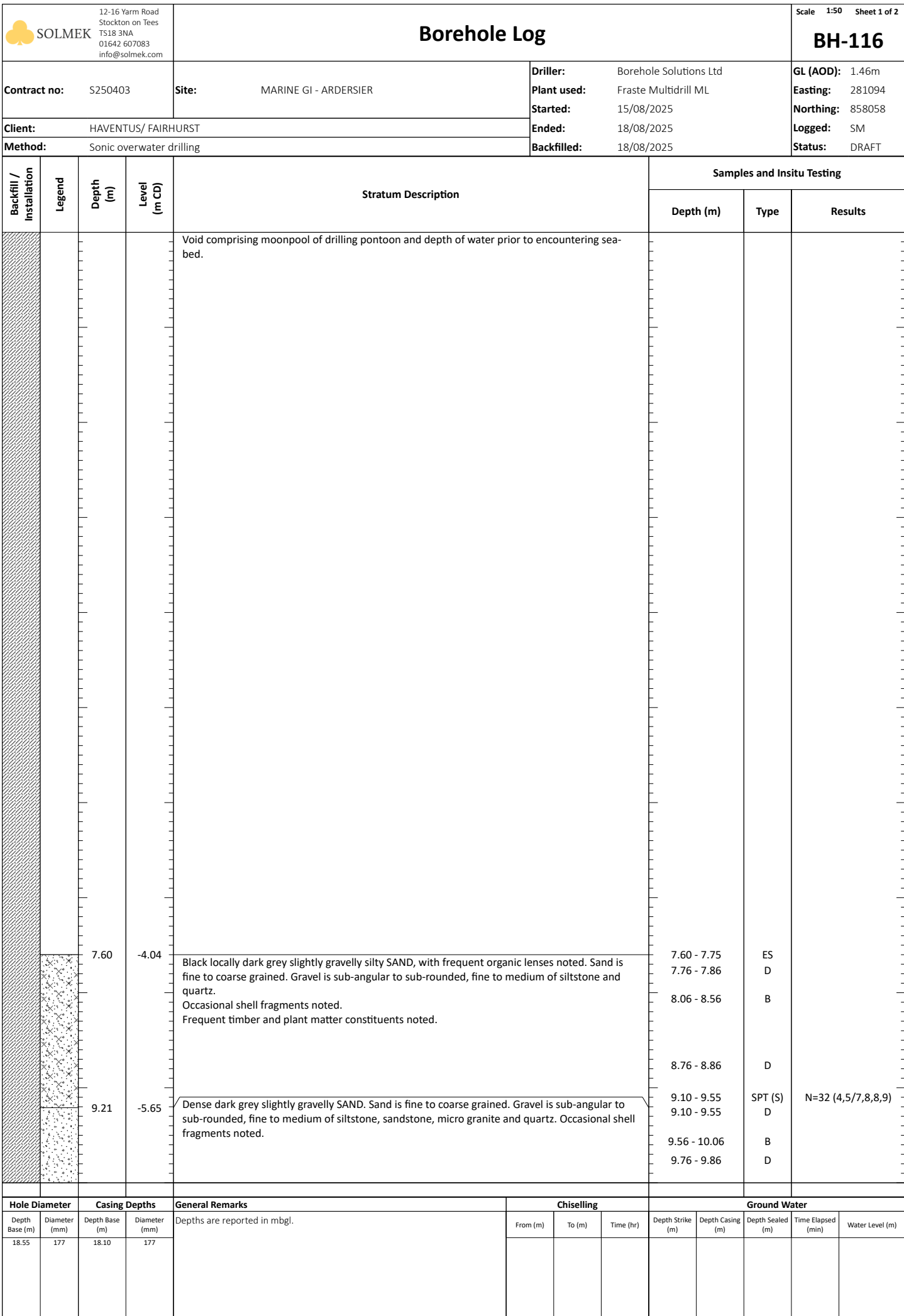
Logged: SM

**Status:** DRAFT

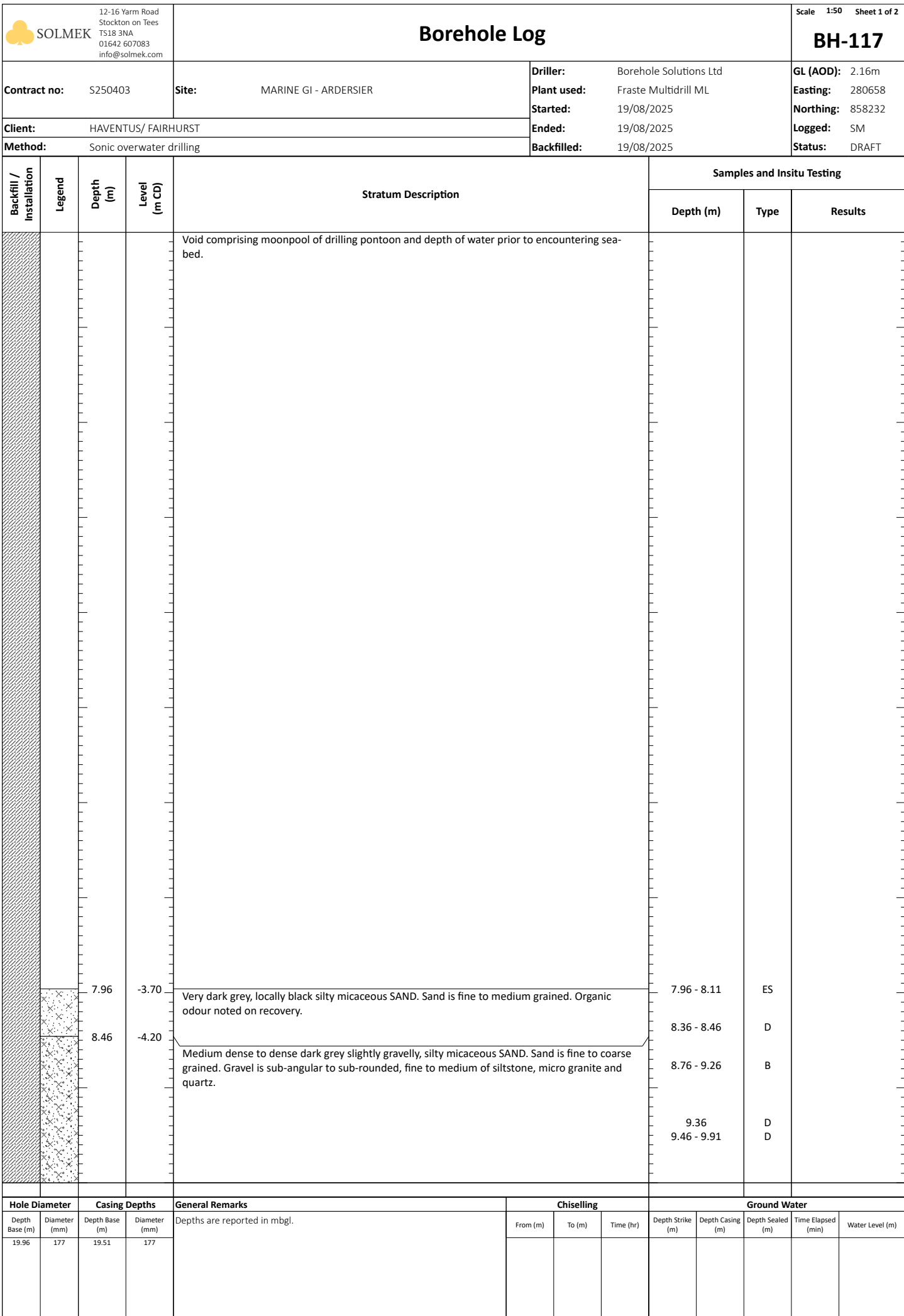
**Client:** HAVENTUS/ FAIRHURST

|                |                          |
|----------------|--------------------------|
| <b>Method:</b> | Sonic overwater drilling |
|----------------|--------------------------|

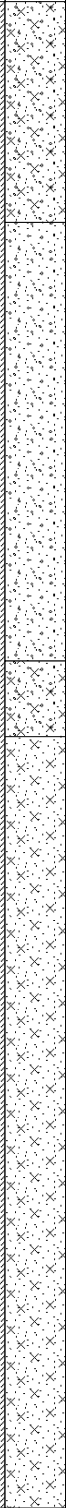
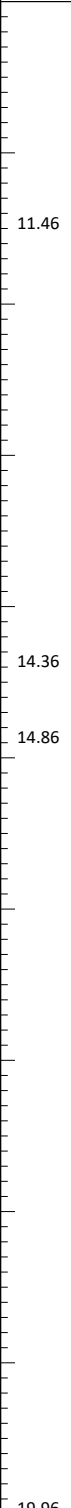
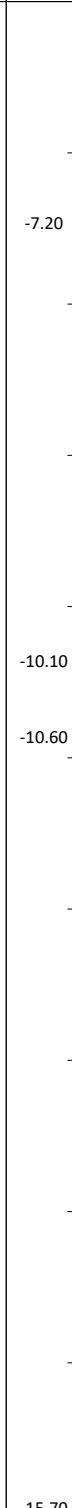
[illegible]

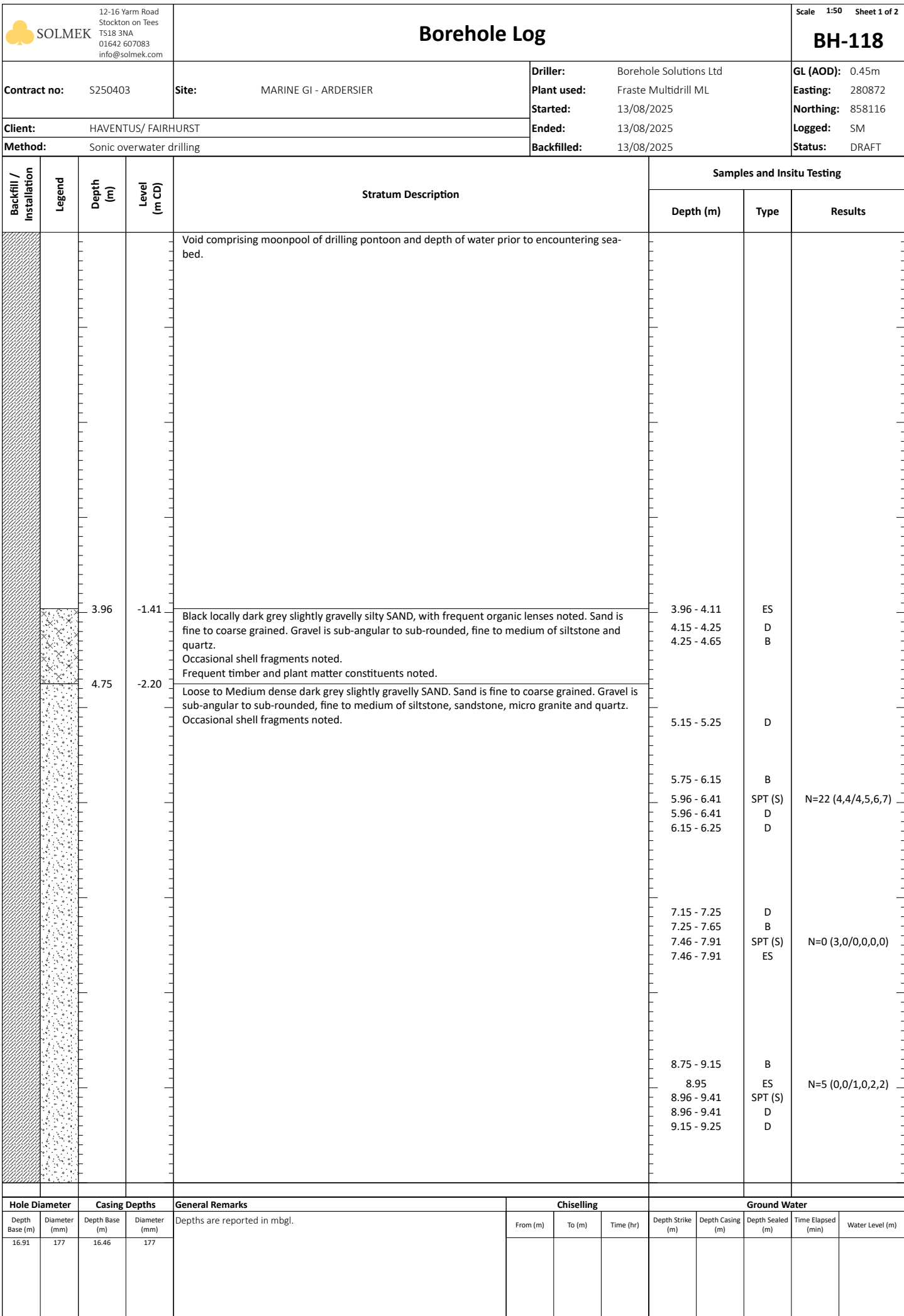


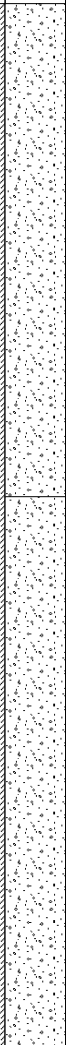
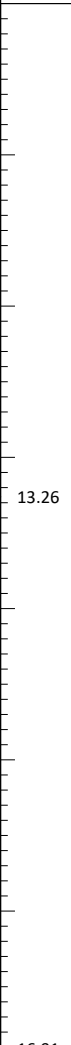
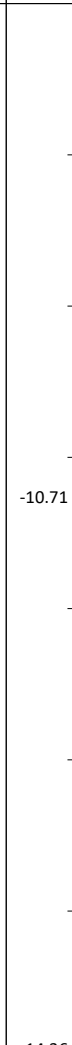
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|---------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------|-------------------|----------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|----------------------------|
| <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> <div>SOLMEK</div> |                   | <div>Borehole Log</div>               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         | <div>Scale 1:50 Sheet 2 of 2</div> <div>BH-116</div>                                                                             |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
| <div>Contract no: S250403</div>                                                                                     |                   | <div>Site: MARINE GI - ARDESIER</div> |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           | <div>Driller: Borehole Solutions Ltd</div> <div>Plant used: Fraste Multidrill ML</div> <div>Started: 15/08/2025</div> <div>Ended: 18/08/2025</div> <div>Backfilled: 18/08/2025</div> |                                         | <div>GL (AOD): 1.46m</div> <div>Easting: 281094</div> <div>Northing: 858058</div> <div>Logged: SM</div> <div>Status: DRAFT</div> |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
| <div>Client: HAVENTUS/ FAIRHURST</div>                                                                              |                   |                                       |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
| <div>Method: Sonic overwater drilling</div>                                                                         |                   |                                       |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
| <div>Backfill / Installation</div>                                                                                  | <div>Legend</div> | <div>Depth (m)</div>                  | <div>Level (m CD)</div>  | <div>Stratum Description</div>                                                                                                                                                                                                                                                                                                                                                                                            | <div>Samples and Insitu Testing</div>                                                                                                                                                |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   |                                       |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           | <div>Depth (m)</div>                                                                                                                                                                 |                                         | <div>Type</div>                                                                                                                  | <div>Results</div>                |                         |                   |                      |                             |                             |                             |                               |                            |
| <div></div>                                                                                                         | <div></div>       | <div>10.56</div>                      | <div>-7.00</div>         | <div>Dense dark grey slightly gravelly SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of siltstone, sandstone, micro granite and quartz. Occasional shell fragments noted.</div> <div>Dense light brown slightly gravelly SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of siltstone, sandstone, micro granite and quartz.</div> | <div>10.60 - 11.05</div>                                                                                                                                                             |                                         | <div>SPT (S)</div>                                                                                                               | <div>N=30 (5,6/7,7,8,8)</div>     |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   |                                       |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           | <div>10.60 - 11.05</div>                                                                                                                                                             |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>10.76 - 10.86</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>11.06 - 11.56</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>11.66 - 12.16</div>              |                          | <div>ES</div>                                                                                                                                                                                                                                                                                                                                                                                                             | <div>N=34 (6,6/7,8,9,10)</div>                                                                                                                                                       |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>12.10 - 12.55</div>              |                          | <div>SPT (S)</div>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>12.10 - 12.55</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>12.56 - 13.06</div>              |                          | <div>B</div>                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                      |                                         |                                                                                                                                  | <div>N=40 (5,6/6,8,12,14)</div>   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>12.76 - 12.86</div>              |                          | <div>D</div>                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>13.60 - 14.05</div>              |                          | <div>SPT (S)</div>                                                                                                                                                                                                                                                                                                                                                                                                        | <div>N=40 (5,6/6,8,12,14)</div>                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>13.60 - 14.05</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>13.76 - 13.86</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>14.06 - 14.56</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>14.76 - 14.86</div>              |                          | <div>D</div>                                                                                                                                                                                                                                                                                                                                                                                                              | <div>N=43 (6,8/8,9,11,15)</div>                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>15.10 - 15.55</div>              |                          | <div>SPT (S)</div>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>15.10 - 15.55</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>15.46 - 15.96</div>              |                          | <div>ES</div>                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                         |                                                                                                                                  | <div>N=50+ (7,8/9,11,20,10)</div> |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>15.76 - 15.86</div>              |                          | <div>D</div>                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>16.60 - 17.05</div>              |                          | <div>SPT (S)</div>                                                                                                                                                                                                                                                                                                                                                                                                        | <div>N=50+ (7,8/9,11,20,10)</div>                                                                                                                                                    |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>16.60 - 17.05</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>16.76 - 16.86</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>17.06 - 17.56</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>17.76 - 17.86</div>              |                          | <div>D</div>                                                                                                                                                                                                                                                                                                                                                                                                              | <div>N=40 (7,7/8,10,10,12)</div>                                                                                                                                                     |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>18.10 - 18.55</div>              |                          | <div>SPT (S)</div>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>18.10 - 18.55</div>              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>End of Borehole at 18.550m</div> |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>Hole Diameter</div>              |                          | <div>Casing Depths</div>                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                      | <div>General Remarks</div>              |                                                                                                                                  |                                   | <div>Ground Water</div> |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   | <div>Depth Base (m)</div>             | <div>Diameter (mm)</div> | <div>Depth Base (m)</div>                                                                                                                                                                                                                                                                                                                                                                                                 | <div>Diameter (mm)</div>                                                                                                                                                             | <div>Depths are reported in mbgl.</div> |                                                                                                                                  |                                   | <div>From (m)</div>     | <div>To (m)</div> | <div>Time (hr)</div> | <div>Depth Strike (m)</div> | <div>Depth Casing (m)</div> | <div>Depth Sealed (m)</div> | <div>Time Elapsed (min)</div> | <div>Water Level (m)</div> |
|                                                                                                                     |                   | <div>18.55</div>                      | <div>177</div>           | <div>18.10</div>                                                                                                                                                                                                                                                                                                                                                                                                          | <div>177</div>                                                                                                                                                                       |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                   |                                       |                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                      |                                         |                                                                                                                                  |                                   |                         |                   |                      |                             |                             |                             |                               |                            |

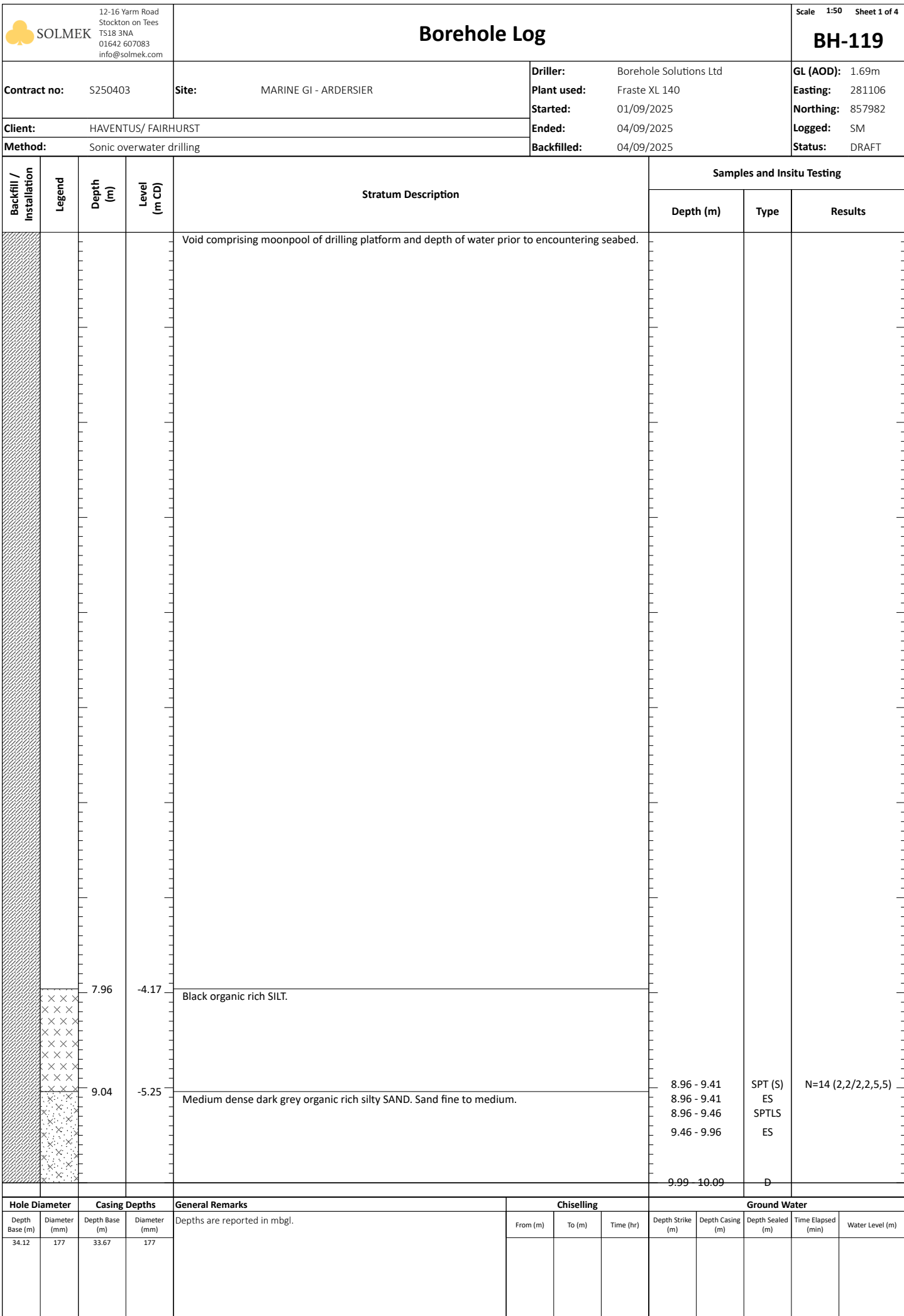


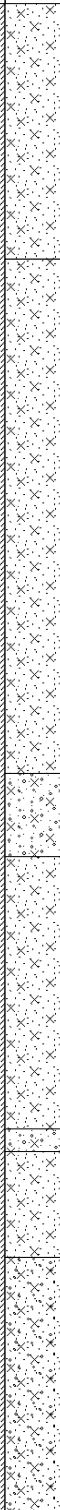
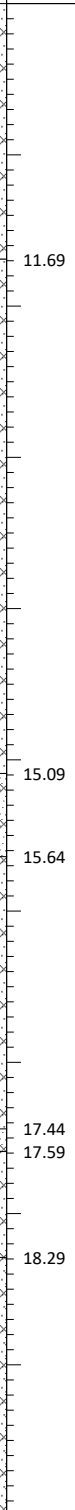
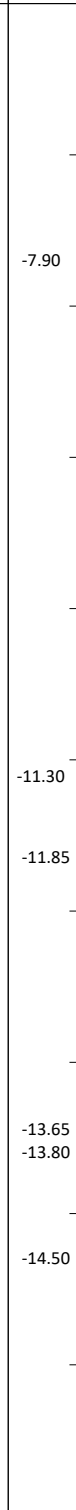


|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                       |                                  |                      |                      |                         |           |                  |                  |                  |                    |                 |
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| <div><div>SOLMEK</div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                                                                                                                               |                                  |                      |                      | Scale 1:50 Sheet 2 of 2 |           | BH-117           |                  |                  |                    |                 |
| Contract no: S250403                                                                                                                                                                                         |                                                                                    | Site: MARINE GI - ARDESIER                                                         |                                                                                    |                                                                                                                                                                                                       | Driller: Borehole Solutions Ltd  |                      | GL (AOD): 2.16m      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                       | Plant used: Fraste Multidrill ML |                      | Easting: 280658      |                         |           |                  |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                       | Started: 19/08/2025              |                      | Northing: 858232     |                         |           |                  |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                       | Ended: 19/08/2025                |                      | Logged: SM           |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                       | Backfilled: 19/08/2025           |                      | Status: DRAFT        |                         |           |                  |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                                      | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                                                                                                                                   | Samples and Insitu Testing       |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                       | Depth (m)                        |                      | Type                 | Results                 |           |                  |                  |                  |                    |                 |
|                                                                                                                             |  |  |  | Medium dense to dense dark grey slightly gravelly, silty micaceous SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of siltstone, micro granite and quartz. | 10.96 - 11.41                    | SPT (S)              | N=33 (4,8/7,8,9,9)   |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 10.96 - 11.41                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 11.36 - 11.46                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | Dense light brown slightly gravelly micaceous SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to coarse of siltstone and quartz.                                     | 11.76 - 12.26                    | B                    | N=38 (4,5/5,8,10,15) |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 12.36 - 12.86                                                                                                                                                                                         | ES                               |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 12.46 - 12.91                                                                                                                                                                                         | SPT (S)                          |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 12.46 - 12.91                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 13.26 - 13.76                                                                                                                                                                                         | B                                | N=25 (4,4/5,5,7,8)   |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 13.96 - 14.41                                                                                                                                                                                         | SPT (S)                          |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 13.96 - 14.41                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | Dense to dense dark grey slightly gravelly silty micaceous SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of siltstone, micro granite and quartz.         | 14.36 - 14.46                    | D                    | N=33 (6,7/7,8,9,9)   |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 14.76 - 15.26                                                                                                                                                                                         | B                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 15.36 - 15.46                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 15.46 - 15.91                                                                                                                                                                                         | SPT (S)                          |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 15.46 - 15.91                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 16.16 - 16.66                                                                                                                                                                                         | ES                               | N=39 (7,7/8,9,10,12) |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 16.96 - 17.41                                                                                                                                                                                         | SPT (S)                          |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 16.96 - 17.41                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 17.36 - 17.46                                                                                                                                                                                         | D                                | N=41 (7,8/8,9,10,14) |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 17.76 - 18.26                                                                                                                                                                                         | B                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 18.36 - 18.46                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 18.46 - 18.91                                                                                                                                                                                         | SPT (S)                          |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 18.46 - 18.91                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    | 19.26 - 19.46                                                                                                                                                                                         | D                                |                      |                      |                         |           |                  |                  |                  |                    |                 |
| End of Borehole at 19.960m                                                                                                                                                                                   |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                       |                                  |                      |                      |                         |           |                  |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                                |                                                                                    | Casing Depths                                                                      |                                                                                    | General Remarks                                                                                                                                                                                       |                                  |                      | Chiselling           |                         |           | Ground Water     |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                               | Diameter (mm)                                                                      | Depth Base (m)                                                                     | Diameter (mm)                                                                      | Depths are reported in mbgl.                                                                                                                                                                          |                                  |                      | From (m)             | To (m)                  | Time (hr) | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 19.96                                                                                                                                                                                                        | 177                                                                                | 19.51                                                                              | 177                                                                                |                                                                                                                                                                                                       |                                  |                      |                      |                         |           |                  |                  |                  |                    |                 |



|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
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| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                                                                                                                                                           |                            |         |                    |                                  |  | Scale 1:50 Sheet 2 of 2 |  | BH-118           |  |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                                                                                                                                                                                       |                            |         |                    | Driller: Borehole Solutions Ltd  |  |                         |  | GL (AOD): 0.45m  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    | Plant used: Fraste Multidrill ML |  |                         |  | Easting: 280872  |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    | Started: 13/08/2025              |  |                         |  | Northing: 858116 |  |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    | Ended: 13/08/2025                |  |                         |  | Logged: SM       |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    | Backfilled: 13/08/2025           |  |                         |  | Status: DRAFT    |  |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                                                                                                                                                               | Samples and Insitu Testing |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | Depth (m)                  |         | Type               | Results                          |  |                         |  |                  |  |
|                                                                                                                    |  |  |  | Loose to Medium dense dark grey slightly gravelly SAND. Sand is fine to coarse grained. Gravel is sub-angular to sub-rounded, fine to medium of siltstone, sandstone, micro granite and quartz. Occasional shell fragments noted. | 10.15 - 10.25              | D       | N=25 (4,4/5,6,6,8) |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 10.25 - 10.65              | B       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 10.46 - 10.91              | SPT (S) |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 10.46 - 10.91              | B       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 11.15 - 11.25              | D       | N=18 (3,4/4,6,4,4) |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 11.75 - 12.25              | B       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 11.96 - 12.41              | SPT (S) |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 11.96 - 12.41              | D       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 12.15 - 12.25              | D       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 13.15 - 13.25              | D       | N=32 (6,6/7,8,8,9) |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 13.25 - 13.65              | B       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 13.46 - 13.91              | SPT (S) |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 13.46 - 13.91              | D       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 13.55 - 14.05              | ES      |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 14.15 - 14.25              | D       | N=28 (4,5/5,6,8,9) |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 14.75 - 15.15              | B       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 14.96 - 15.41              | SPT (S) |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 14.96 - 15.41              | D       |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   | 15.15 - 15.25              | D       |                    |                                  |  |                         |  |                  |  |
| 16.15 - 16.25                                                                                                                                                                                       | D                                                                                  | N=44 (8,9/8,9,12,15)                                                               |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
| 16.46 - 16.91                                                                                                                                                                                       | SPT (S)                                                                            |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
| 16.46 - 16.91                                                                                                                                                                                       | D                                                                                  |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
| 16.91                                                                                                                                                                                               | -14.36                                                                             | End of Borehole at 16.910m                                                         |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                   |                            |         |                    |                                  |  |                         |  |                  |  |
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|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    |                                                                      |                            |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------|--------------------|------------------|---------------------------------|-----------|-------------------------|------------------|------------------|--------------------|-----------------|
| <div><div></div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                              |                            |                    |                  |                                 |           | Scale 1:50 Sheet 2 of 4 |                  | BH-119           |                    |                 |
| Contract no: S250403                                                                                                                                                                                   |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                          |                            |                    |                  | Driller: Borehole Solutions Ltd |           | GL (AOD): 1.69m         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    |                                                                      |                            |                    |                  | Plant used: Fraste XL 140       |           | Easting: 281106         |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                            |                                                                                    |                                                                                    |                                                                                    |                                                                      |                            |                    |                  | Started: 01/09/2025             |           | Northing: 857982        |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                       |                                                                                    |                                                                                    |                                                                                    |                                                                      |                            |                    |                  | Ended: 04/09/2025               |           | Logged: SM              |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    |                                                                      |                            |                    |                  | Backfilled: 04/09/2025          |           | Status: DRAFT           |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                                | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                  | Samples and Insitu Testing |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    |                                                                      | Depth (m)                  |                    | Type             | Results                         |           |                         |                  |                  |                    |                 |
|                                                                                                                       |  |  |  | Medium dense dark grey organic rich silty SAND. Sand fine to medium. | 10.09 - 10.59              | B                  | N=17 (2,4/4,4,5) |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 10.46 - 10.91                                                        | SPT (S)                    |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 10.46 - 10.91                                                        | SPTLS                      |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 10.99 - 11.09                                                        | D                          | N=19 (2,3/4,5,5)   |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 11.59 - 12.09                                                        | B                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 11.96 - 12.41                                                        | SPT (S)                    |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 11.96 - 12.41                                                        | SPTLS                      | N=14 (2,2/3,3,4,4) |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 12.09 - 12.19                                                        | D                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 12.99 - 13.09                                                        | D                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 13.09 - 13.59                                                        | B                          | N=15 (2,3/3,4,4,4) |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 13.99 - 14.09                                                        | D                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 14.17 - 14.62                                                        | SPT (S)                    |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 14.17 - 14.62                                                        | SPTLS                      | N=16 (3,3/4,3,4,5) |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 14.59 - 15.09                                                        | B                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 15.09 - 15.19                                                        | D                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 15.67 - 16.12                                                        | SPT (S)                    | N=25 (1,2/5,6,7,7) |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 15.67 - 16.12                                                        | SPTLS                      |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 15.99 - 16.09                                                        | D                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 16.09 - 16.59                                                        | B                          | N=16 (3,3/4,3,4,5) |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 16.99 - 17.09                                                        | D                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 17.17 - 17.62                                                        | SPT (S)                    |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 17.17 - 17.62                                                        | SPTLS                      | N=25 (1,2/5,6,7,7) |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 17.59 - 18.09                                                        | B                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 18.09 - 18.19                                                        | D                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 18.67 - 19.12                                                        | SPT (S)                    | N=25 (1,2/5,6,7,7) |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 18.67 - 19.12                                                        | SPTLS                      |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | 19.09 - 19.59                                                        | B                          |                    |                  |                                 |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    |                                                                      |                            |                    |                  |                                 |           |                         |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                          |                                                                                    | Casing Depths                                                                      |                                                                                    | General Remarks                                                      |                            |                    | Chiselling       |                                 |           | Ground Water            |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                         | Diameter (mm)                                                                      | Depth Base (m)                                                                     | Diameter (mm)                                                                      | Depths are reported in mbgl.                                         |                            |                    | From (m)         | To (m)                          | Time (hr) | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 34.12                                                                                                                                                                                                  | 177                                                                                | 33.67                                                                              | 177                                                                                |                                                                      |                            |                    |                  |                                 |           |                         |                  |                  |                    |                 |



|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  |                                            |                       |                             |                                                      |                             |                               |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------------------------------------------------------|--------------------------------------------|-----------------------|-----------------------------|------------------------------------------------------|-----------------------------|-------------------------------|----------------------------|
| <div><div></div><div>SOLMEK</div></div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                           |                          | <div>Borehole Log</div>                                                                                                                                            |                   |                            |                                                                  |                                            |                       |                             | <div>Scale 1:50 Sheet 3 of 4</div> <div>BH-119</div> |                             |                               |                            |
| <div>Contract no: S250403</div>                                                                                                                                                                                          |                                                                                    |                           |                          | <div>Site: MARINE GI - ARDERSIER</div>                                                                                                                             |                   |                            |                                                                  | <div>Driller: Borehole Solutions Ltd</div> |                       |                             | <div>GL (AOD): 1.69m</div>                           |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  | <div>Plant used: Fraste XL 140</div>       |                       |                             | <div>Easting: 281106</div>                           |                             |                               |                            |
| <div>Client: HAVENTUS/ FAIRHURST</div>                                                                                                                                                                                   |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  | <div>Started: 01/09/2025</div>             |                       |                             | <div>Northing: 857982</div>                          |                             |                               |                            |
| <div>Method: Sonic overwater drilling</div>                                                                                                                                                                              |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  | <div>Ended: 04/09/2025</div>               |                       |                             | <div>Logged: SM</div>                                |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  | <div>Backfilled: 04/09/2025</div>          |                       |                             | <div>Status: DRAFT</div>                             |                             |                               |                            |
| <div>Backfill / Installation</div>                                                                                                                                                                                       | <div>Legend</div>                                                                  | <div>Depth (m)</div>      | <div>Level (m CD)</div>  | <div>Stratum Description</div>                                                                                                                                     |                   |                            | <div>Samples and Insitu Testing</div>                            |                                            |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | <div>Depth (m)</div>                                             |                                            | <div>Type</div>       | <div>Results</div>          |                                                      |                             |                               |                            |
|                                                                                                                                         |  | 20.49                     | -16.70                   | Medium dense dark grey silty slightly gravelly SAND. Sand fine to coarse. Gravel fine to coarse and rounded of mudstone, siltstone, quartzite and igneous content. |                   |                            | 20.09 - 20.19<br>20.17 - 20.62<br>20.17 - 20.62                  | D<br>SPT (S)<br>SPTLS                      | N=23 (2,3/5,5,6,7)    |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          | Medium dense Dark grey silty SAND. Sand fine to coarse.                                                                                                            |                   |                            | 20.59 - 21.09                                                    | B                                          |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    | 20.89                     | -17.10                   | Medium dense dark grey silty slightly gravelly SAND. Sand fine to coarse. Gravel fine to coarse and rounded of mudstone, siltstone, quartzite and igneous content. |                   |                            | 20.99 - 21.09                                                    | D                                          |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    | 21.29                     | -17.50                   | Medium dense dark grey silty SAND. Sand fine to coarse.                                                                                                            |                   |                            |                                                                  |                                            |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 21.67 - 22.12<br>21.67 - 22.12                                   | SPT (S)<br>SPTLS                           | N=29 (3,5/6,7,7,9)    |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    | 21.99                     | -18.20                   | Medium dense dark grey silty slightly clayey SAND. Sand fine to medium.                                                                                            |                   |                            | 21.99 - 22.09<br>22.09 - 22.59                                   | D<br>B                                     |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  |                                            |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 22.99 - 23.09<br>23.12 - 23.57<br>23.12 - 23.67                  | D<br>SPT (S)<br>SPTLS                      | N=13 (3,3/4,3,3,3)    |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 23.59 - 24.09                                                    | B                                          |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 24.09 - 24.19                                                    | D                                          |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  |                                            |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    | 24.79                     | -21.00                   | Soft grey clayey slightly sandy SILT. Sand fine to coarse.                                                                                                         |                   |                            | 24.67 - 25.12<br>24.67 - 25.12<br>24.99 - 25.09<br>25.09 - 25.59 | SPT (S)<br>SPTLS<br>D<br>B                 | N=7 (3,2/2,1,2,2)     |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  |                                            |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    | 26.09                     | -22.30                   | Medium dense Dark grey silty SAND. Sand fine to coarse.                                                                                                            |                   |                            | 25.99 - 26.09<br>26.17 - 26.62<br>26.17 - 26.62                  | D<br>SPT (S)<br>SPTLS                      | N=6 (1,2/1,2,2,1)     |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 26.59 - 27.09                                                    | B                                          |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 27.09 - 27.19                                                    | D                                          |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 27.67 - 28.12<br>27.67 - 28.12<br>27.99 - 28.09<br>28.09 - 28.59 | SPT (S)<br>SPTLS<br>D<br>B                 | N=9 (2,1/2,2,2,3)     |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            |                                                                  |                                            |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 28.99 - 29.09<br>29.17 - 29.62<br>29.17 - 29.62                  | D<br>SPT (S)<br>SPTLS                      | N=16 (3,3/3,3,4,6)    |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    |                           |                          |                                                                                                                                                                    |                   |                            | 29.59 - 30.09                                                    | B                                          |                       |                             |                                                      |                             |                               |                            |
|                                                                                                                                                                                                                          |                                                                                    | <div>Hole Diameter</div>  |                          | <div>Casing Depths</div>                                                                                                                                           |                   | <div>General Remarks</div> |                                                                  |                                            | <div>Chiselling</div> |                             |                                                      | <div>Ground Water</div>     |                               |                            |
| <div>Depth Base (m)</div>                                                                                                                                                                                                | <div>Diameter (mm)</div>                                                           | <div>Depth Base (m)</div> | <div>Diameter (mm)</div> | <div>From (m)</div>                                                                                                                                                | <div>To (m)</div> |                            |                                                                  |                                            | <div>Time (hr)</div>  | <div>Depth Strike (m)</div> | <div>Depth Casing (m)</div>                          | <div>Depth Sealed (m)</div> | <div>Time Elapsed (min)</div> | <div>Water Level (m)</div> |
| 34.12                                                                                                                                                                                                                    | 177                                                                                | 33.67                     | 177                      | Depths are reported in mbgl.                                                                                                                                       |                   |                            |                                                                  |                                            |                       |                             |                                                      |                             |                               |                            |

## Borehole Log

# BH-119

**Contract no:** S250403

**Site:** MARINE GI - ARDESIER

|                 |                        |
|-----------------|------------------------|
| <b>Driller:</b> | Borehole Solutions Ltd |
|-----------------|------------------------|

**Plant used:** Fraste XL 140

**Started:** 01/09/2025

**Ended:** 04/09/2025

Backfilled: 04/09/2025

GL (AOD): 1.69m

Easting: 281106

**Northing:** 857982

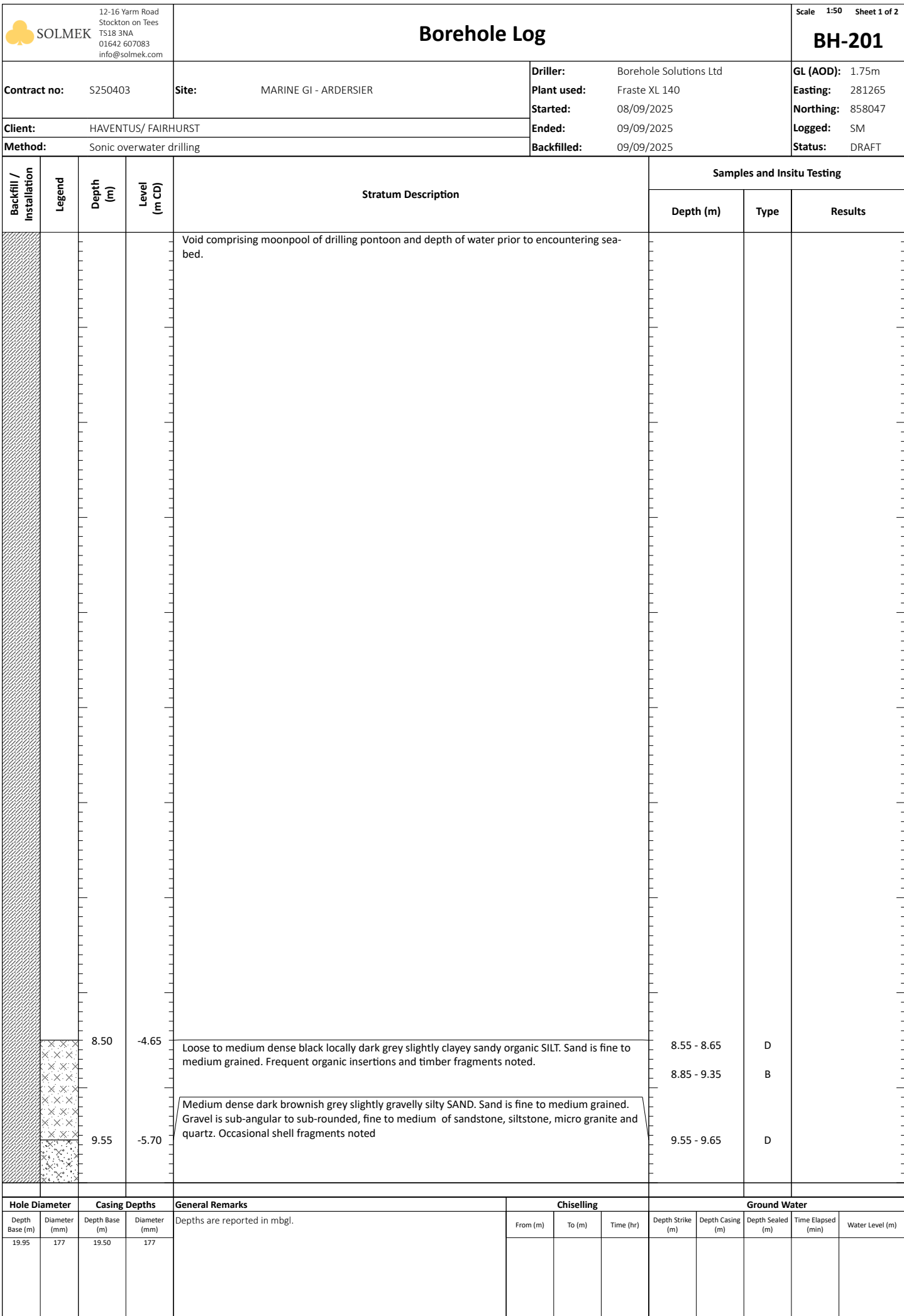
**Logged:** SM

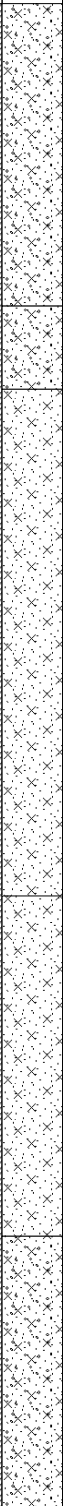
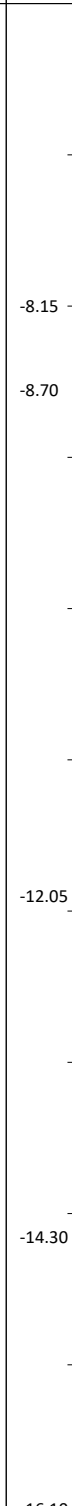
**Status:** DRAFT

**Client:** HAVENTUS/ FAIRHURST

|                |                          |
|----------------|--------------------------|
| <b>Method:</b> | Sonic overwater drilling |
|----------------|--------------------------|

[illegible]



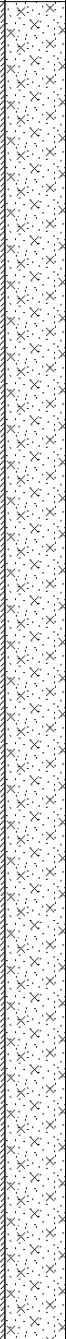
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|-------------------|---------------------------------|--|-------------------------|--|--------|--|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                                                                                                                                                                |                            |                        |                   |                                 |  | Scale 1:50 Sheet 2 of 2 |  | BH-201 |  |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                                                                                                                                                                                            |                            |                        |                   | Driller: Borehole Solutions Ltd |  | GL (AOD): 1.75m         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   | Plant used: Fraste XL 140       |  | Easting: 281265         |  |        |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   | Started: 08/09/2025             |  | Northing: 858047        |  |        |  |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   | Ended: 09/09/2025               |  | Logged: SM              |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   | Backfilled: 09/09/2025          |  | Status: DRAFT           |  |        |  |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                                                                                                                                                                    | Samples and Insitu Testing |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        | Depth (m)                  |                        | Type              | Results                         |  |                         |  |        |  |
|                                                                                                                    |  |  |  | Medium dense dark brownish grey slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to sub-rounded, fine to medium of sandstone, siltstone, micro granite and quartz. Occasional shell fragments noted | 10.35 - 10.85              | B<br>SPT (S)<br>D<br>D | N=0 (0,0/0,0,0,0) |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        | 10.50 - 10.95              |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        | 10.50 - 10.95              |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        | 10.55 - 10.65              |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
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|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                                        |                            |                        |                   |                                 |  |                         |  |        |  |
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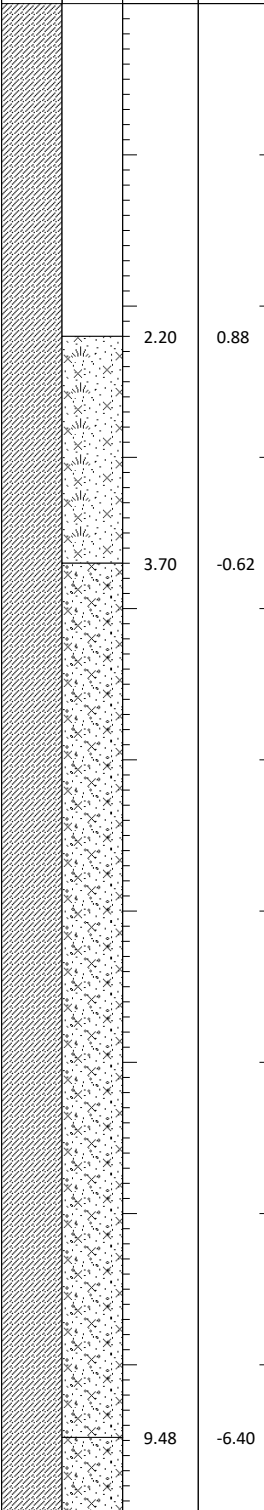
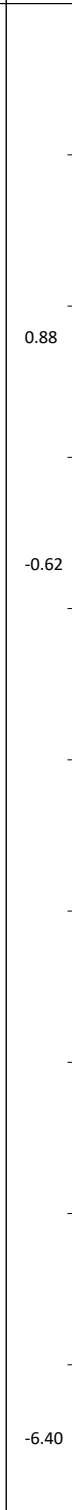
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| <div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                             |               | <div>Borehole Log</div>                                                                                                                                                                                                                                                             |                                 |        |                   |        | <div>Scale 1:50 Sheet 1 of 2</div> <div>BH-202</div> |                  |                  |                  |                    |                 |
| Contract no: S250403                                                                                                                                                                        |                                                                                    | Site: MARINE GI - ARDERSIER |               |                                                                                                                                                                                                                                                                                     | Driller: Borehole Solutions Ltd |        | GL (AOD): 0.94m   |        |                                                      |                  |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     | Plant used: Fraste XL 140       |        | Easting: 281350   |        |                                                      |                  |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     | Started: 08/09/2025             |        | Northing: 857995  |        |                                                      |                  |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                 |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     | Ended: 09/09/2025               |        | Logged: SM        |        |                                                      |                  |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                            |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     | Backfilled: 09/09/2025          |        | Status: DRAFT     |        |                                                      |                  |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                     | Legend                                                                             | Depth (m)                   | Level (m CD)  | Stratum Description                                                                                                                                                                                                                                                                 | Samples and Insitu Testing      |        |                   |        |                                                      |                  |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     | Depth (m)                       | Type   | Results           |        |                                                      |                  |                  |                  |                    |                 |
|                                                                                                            |  | 7.15                        | -4.11         | Void comprising moonpool of drilling pontoon and depth of water prior to encountering sea-bed.                                                                                                                                                                                      |                                 |        |                   |        |                                                      |                  |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     |                                 |        |                   |        |                                                      |                  |                  |                  |                    |                 |
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|                                                                                                                                                                                             |                                                                                    |                             |               | Loose to medium dense Black, locally dark grey slightly gravelly organic silty SAND. Sand is fine to medium grained. Gravel is sub-rounded, to well rounded, fine to medium of siltstone, sandstone and quartz. Frequent organic insertions noted. Organic odour noted on recovery. | 7.14 - 7.24<br>7.24 - 7.74      | D<br>B | N=3 (1,0/1,0,1,1) |        |                                                      |                  |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     |                                 |        |                   |        |                                                      |                  |                  |                  |                    |                 |
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|                                                                                                                                                                                             |                                                                                    |                             |               |                                                                                                                                                                                                                                                                                     |                                 |        |                   |        |                                                      |                  |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                               |                                                                                    | Casing Depths               |               | General Remarks                                                                                                                                                                                                                                                                     |                                 |        | Chiselling        |        |                                                      | Ground Water     |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                              | Diameter (mm)                                                                      | Depth Base (m)              | Diameter (mm) | Depths are reported in mbgl.                                                                                                                                                                                                                                                        |                                 |        | From (m)          | To (m) | Time (hr)                                            | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 19.60                                                                                                                                                                                       | 177                                                                                | 19.15                       | 177           |                                                                                                                                                                                                                                                                                     |                                 |        |                   |        |                                                      |                  |                  |                  |                    |                 |



|                                                                                                                     |                          |                                        |                          |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                               |                                 |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
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| <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> <div>SOLMEK</div> |                          | <div>Borehole Log</div>                |                          |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                               |                                 |                                 | <div>Scale 1:50 Sheet 2 of 2</div> <div>BH-202</div>                                                                             |                      |                             |                             |                             |                               |                            |
| <div>Contract no: S250403</div>                                                                                     |                          | <div>Site: MARINE GI - ARDERSIER</div> |                          |                                                                                                                                                                                                                                                                                     | <div>Driller: Borehole Solutions Ltd</div> <div>Plant used: Fraste XL 140</div> <div>Started: 08/09/2025</div> <div>Ended: 09/09/2025</div> <div>Backfilled: 09/09/2025</div> |                                 |                                 | <div>GL (AOD): 0.94m</div> <div>Easting: 281350</div> <div>Northing: 857995</div> <div>Logged: SM</div> <div>Status: DRAFT</div> |                      |                             |                             |                             |                               |                            |
| <div>Client: HAVENTUS/ FAIRHURST</div>                                                                              |                          |                                        |                          |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                               |                                 |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
| <div>Method: Sonic overwater drilling</div>                                                                         |                          |                                        |                          |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                               |                                 |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
| <div>Backfill / Installation</div>                                                                                  | <div>Legend</div>        | <div>Depth (m)</div>                   | <div>Level (m CD)</div>  | <div>Stratum Description</div>                                                                                                                                                                                                                                                      | <div>Samples and Insitu Testing</div>                                                                                                                                         |                                 |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          |                                        |                          |                                                                                                                                                                                                                                                                                     | <div>Depth (m)</div>                                                                                                                                                          |                                 | <div>Type</div>                 | <div>Results</div>                                                                                                               |                      |                             |                             |                             |                               |                            |
| <div></div>                                                                                                         | <div></div>              | 10.85                                  | -5.71                    | Loose to medium dense Black, locally dark grey slightly gravelly organic silty SAND. Sand is fine to medium grained. Gravel is sub-rounded, to well rounded, fine to medium of siltstone, sandstone and quartz. Frequent organic insertions noted. Organic odour noted on recovery. | 10.15 - 10.60<br>10.15 - 10.60<br>10.24 - 10.74                                                                                                                               | SPT (S)<br>D<br>B               | N=9 (1,2/2,2,2,3)               |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          | 11.44                                  | -8.00                    | Medium dense Dark grey, locally black slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-rounded, to well rounded, fine to medium of siltstone, sandstone and quartz.                                                                                      | 11.14 - 11.24                                                                                                                                                                 | D                               |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          |                                        |                          | Medium dense Light greyish brown silty SAND. Sand is fine to medium grained.                                                                                                                                                                                                        | 11.65 - 12.10<br>11.65 - 12.10<br>11.74 - 12.24                                                                                                                               | SPT (S)<br>D<br>B               | N=13 (2,2/3,3,3,4)              |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          |                                        |                          |                                                                                                                                                                                                                                                                                     | 13.14 - 13.24<br>13.15 - 13.60<br>13.15 - 13.60<br>13.24 - 13.74                                                                                                              | D<br>SPT (S)<br>D<br>B          | N=15 (3,4/3,4,4,4)              |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          | 14.64                                  | -11.60                   | Medium dense dark grey, locally black slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-rounded, to well rounded, fine to medium of siltstone, sandstone and quartz.                                                                                      | 14.65 - 15.10<br>14.65 - 15.10<br>14.74 - 15.24                                                                                                                               | SPT (S)<br>D<br>B               | N=17 (3,4/4,4,4,5)              |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          | 15.24                                  | -12.20                   | Medium dense Dark grey slightly clayey silty SAND. Sand is fine to medium grained.                                                                                                                                                                                                  | 15.14 - 15.24                                                                                                                                                                 | D                               |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          | 16.14                                  | -13.10                   | Soft Light greyish brown clayey slightly sandy low strength SILT. Sand is fine to medium grained.                                                                                                                                                                                   | 16.14 - 16.24<br>16.15 - 16.60<br>16.15 - 16.60<br>16.24 - 16.74<br>16.74                                                                                                     | D<br>SPT (S)<br>D<br>B<br>HV    | N=13 (2,2/3,3,3,4)<br><br>12kPa |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          | 17.84                                  | -14.80                   | Medium dense dark grey slightly clayey silty SAND. Sand is fine to medium grained.                                                                                                                                                                                                  | 17.14 - 17.24<br><br>17.65 - 18.10<br>17.65 - 18.10<br>17.74 - 18.24<br>18.14 - 18.24                                                                                         | D<br><br>SPT (S)<br>D<br>B<br>D | N=9 (1,2/2,2,2,3)               |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          |                                        |                          |                                                                                                                                                                                                                                                                                     | 19.15 - 19.60<br>19.15 - 19.60                                                                                                                                                | SPT (S)<br>D                    | N=3 (1,0/1,0,1,1)               |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
|                                                                                                                     |                          |                                        |                          | 19.60                                                                                                                                                                                                                                                                               | -16.56                                                                                                                                                                        | End of Borehole at 19.600m      |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
| <div>Hole Diameter</div>                                                                                            |                          | <div>Casing Depths</div>               |                          | <div>General Remarks</div>                                                                                                                                                                                                                                                          |                                                                                                                                                                               |                                 | <div>Ground Water</div>         |                                                                                                                                  |                      |                             |                             |                             |                               |                            |
| <div>Depth Base (m)</div>                                                                                           | <div>Diameter (mm)</div> | <div>Depth Base (m)</div>              | <div>Diameter (mm)</div> | <div>Depths are reported in mbgl.</div>                                                                                                                                                                                                                                             |                                                                                                                                                                               |                                 | <div>From (m)</div>             | <div>To (m)</div>                                                                                                                | <div>Time (hr)</div> | <div>Depth Strike (m)</div> | <div>Depth Casing (m)</div> | <div>Depth Sealed (m)</div> | <div>Time Elapsed (min)</div> | <div>Water Level (m)</div> |
| 19.60                                                                                                               | 177                      | 19.15                                  | 177                      |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                               |                                 |                                 |                                                                                                                                  |                      |                             |                             |                             |                               |                            |

|  <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                     | <h1>Borehole Log</h1>       |               |                                                                                               |                                  |         | Scale 1:50 Sheet 1 of 2 |                  |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------|---------------|-----------------------------------------------------------------------------------------------|----------------------------------|---------|-------------------------|------------------|------------------|------------------|--------------------|-----------------|
| Contract no: S250403                                                                                                                                                              |                                                                                     | Site: MARINE GI - ARDERSIER |               |                                                                                               | Driller: Borehole Solutions Ltd  |         | GL (AOD): 1.26m         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | Plant used: Fraste Multidrill ML |         | Easting: 281392         |                  |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                       |                                                                                     |                             |               |                                                                                               | Started: 21/08/2025              |         | Northing: 857909        |                  |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                  |                                                                                     |                             |               |                                                                                               | Ended: 21/08/2025                |         | Logged: SM              |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | Backfilled: 21/08/2025           |         | Status: DRAFT           |                  |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                           | Legend                                                                              | Depth (m)                   | Level (m CD)  | Stratum Description                                                                           | Samples and Insitu Testing       |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | Depth (m)                        | Type    | Results                 |                  |                  |                  |                    |                 |
|                                                                                                  |  |                             |               | Void comprising moonpool of drilling pontoon and depth of water prior to encountering seabed. |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     | 7.40                        | -4.04         | Dark grey to black organic-rich slightly sandy SILT. Sand is fine to coarse.                  | 7.40 - 7.55                      | ES      | N=6 (1,0/1,1,2,2)       |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | 7.90 - 8.40                      | ES      |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | 8.40 - 8.90                      | ES      |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | 8.64 - 15.86                     | B       |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     | 8.96                        | -5.60         | Medium dense grey silty SAND. Sand is fine to coarse.                                         | 8.90 - 9.35                      | SPT (S) |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | 8.90 - 9.35                      | D       |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | 8.90 - 9.40                      | ES      |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     | 9.26                        | -5.90         | Band of organic-rich SILT.                                                                    |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     | 9.29                        | -5.93         | Medium dense to dense grey silty SAND. Sand is fine to coarse.                                | 9.36 - 9.86                      | B       |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                             |               |                                                                                               | 9.96 - 10.06                     | D       |                         |                  |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                     |                                                                                     | Casing Depths               |               | General Remarks                                                                               | Chiselling                       |         |                         | Ground Water     |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                    | Diameter (mm)                                                                       | Depth Base (m)              | Diameter (mm) |                                                                                               | From (m)                         | To (m)  | Time (hr)               | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 16.99                                                                                                                                                                             | 177                                                                                 | 16.54<br>19.40              | 177<br>177    |                                                                                               |                                  |         |                         |                  |                  |                  |                    |                 |

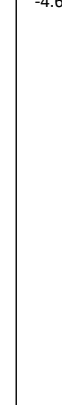
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                |                            |  |            |                                  |           |                         |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|---------------|----------------------------------------------------------------|----------------------------|--|------------|----------------------------------|-----------|-------------------------|------------------|------------------|--------------------|-----------------|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                |               | <div>Borehole Log</div>                                        |                            |  |            |                                  |           | Scale 1:50 Sheet 2 of 2 |                  | BH-203           |                    |                 |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                |               | Site: MARINE GI - ARDERSIER                                    |                            |  |            | Driller: Borehole Solutions Ltd  |           |                         |                  | GL (AOD): 1.26m  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                |                            |  |            | Plant used: Fraste Multidrill ML |           |                         |                  | Easting: 281392  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                |               |                                                                |                            |  |            | Started: 21/08/2025              |           |                         |                  | Northing: 857909 |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                |               |                                                                |                            |  |            | Ended: 21/08/2025                |           |                         |                  | Logged: SM       |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                |                            |  |            | Backfilled: 21/08/2025           |           |                         |                  | Status: DRAFT    |                    |                 |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)      | Level (m CD)  | Stratum Description                                            | Samples and Insitu Testing |  |            |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | Depth (m)                  |  | Type       | Results                          |           |                         |                  |                  |                    |                 |
|                                                                                                                    |  |                |               | Medium dense to dense grey silty SAND. Sand is fine to coarse. | 10.40 - 10.85              |  | SPT (S)    | N=9 (2,2/2,2,2,3)                |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 10.40 - 10.85              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 10.76 - 10.86              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 10.86 - 11.36              |  | B          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 11.90 - 12.35              |  | SPT (S)    | N=19 (2,3/4,4,5,6)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 11.90 - 12.35              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 11.96 - 12.06              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 12.36 - 12.86              |  | B          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 12.96 - 13.06              |  | D          | N=22 (3,4/5,5,6,6)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 13.40 - 13.85              |  | SPT (S)    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 13.40 - 13.85              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 13.76 - 13.86              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 13.86 - 14.36              |  | B          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 14.90 - 15.35              |  | SPT (S)    | N=24 (4,5/5,6,6,7)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 14.90 - 15.35              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 14.96 - 15.06              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 15.96 - 16.06              |  | D          | N=29 (4,5/6,7,7,9)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 16.40 - 16.85              |  | SPT (S)    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 16.40 - 16.85              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 16.76 - 16.86              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 16.86 - 17.36              |  | B          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 17.90 - 18.35              |  | SPT (S)    | N=30 (5,6/6,7,8,9)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 17.90 - 18.35              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 17.96 - 18.06              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 18.36 - 18.86              |  | B          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 18.96 - 19.06              |  | D          | N=32 (5,6/7,8,8,9)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 19.40 - 19.85              |  | SPT (S)    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                | 19.40 - 19.85              |  | D          |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                |               |                                                                |                            |  |            |                                  |           |                         |                  |                  |                    |                 |
| 19.85                                                                                                                                                                                               |                                                                                    |                |               | -16.49                                                         |                            |  |            | End of Borehole at 19.850m       |           |                         |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                       |                                                                                    | Casing Depths  |               | General Remarks                                                |                            |  | Chiselling |                                  |           | Ground Water            |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                      | Diameter (mm)                                                                      | Depth Base (m) | Diameter (mm) | Depths are reported in mbgl.                                   |                            |  | From (m)   | To (m)                           | Time (hr) | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 16.99                                                                                                                                                                                               | 177                                                                                | 16.54<br>19.40 | 177<br>177    |                                                                |                            |  |            |                                  |           |                         |                  |                  |                    |                 |

|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                                            |                            |                    |          |                                 |            |                         |                  |                  |                    |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------|--------------------|----------|---------------------------------|------------|-------------------------|------------------|------------------|--------------------|-----------------|
| <div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                    |                            |                    |          |                                 |            | Scale 1:50 Sheet 1 of 3 |                  | BH-205           |                    |                 |
| Contract no: S250403                                                                                                                                                                        |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                                                |                            |                    |          | Driller: Borehole Solutions Ltd |            | GL (AOD): 0.98m         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                                            |                            |                    |          | Plant used: fraste XL 140       |            | Easting: 281461         |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                 |                                                                                    |                                                                                    |                                                                                    |                                                                                            |                            |                    |          | Started: 10/09/2025             |            | Northing: 857831        |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                            |                                                                                    |                                                                                    |                                                                                    |                                                                                            |                            |                    |          | Ended: 11/09/2025               |            | Logged: SM              |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                                            |                            |                    |          | Backfilled: 11/09/2025          |            | Status: DRAFT           |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                     | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                        | Samples and Insitu Testing |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                                            | Depth (m)                  |                    | Type     | Results                         |            |                         |                  |                  |                    |                 |
|                                                                                                            |  |  |  | Void comprising moonpool of drilling platform and dept of water before encountering seabed |                            |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 2.20 - 2.30                                                                                | D                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 2.38 - 2.88                                                                                | B                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 3.16 - 3.25                                                                                | D                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 3.70 - 4.15                                                                                | SPT (S)                    | N=3 (1,0/1,1,1)    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 3.70 - 4.15                                                                                | SPTLS                      |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 3.88 - 4.38                                                                                | B                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 4.16 - 4.26                                                                                | D                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 5.16 - 5.26                                                                                | D                          | N=8 (6,1/2,2,2,2)  |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 5.20 - 5.65                                                                                | SPT (S)                    |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 5.38 - 5.88                                                                                | B                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 6.16 - 6.26                                                                                | D                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 6.70 - 7.15                                                                                | SPT (S)                    | N=10 (1,2/2,2,3,3) |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 6.70 - 7.15                                                                                | SPTLS                      |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 6.88 - 7.38                                                                                | B                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 7.16 - 7.26                                                                                | D                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 8.16 - 8.26                                                                                | D                          | N=14 (2,3/3,3,4,4) |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 8.20 - 8.65                                                                                | SPT (S)                    |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 8.20 - 8.65                                                                                | SPTLS                      |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 8.38 - 8.88                                                                                | B                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 9.16 - 9.26                                                                                | D                          |                    |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 9.70 - 10.15                                                                               | SPT (S)                    | N=17 (2,3/4,4,4,5) |          |                                 |            |                         |                  |                  |                    |                 |
|                                                                                                                                                                                             |                                                                                    |                                                                                    |                                                                                    | 9.70 - 10.15                                                                               | SPTLS                      |                    |          |                                 |            |                         |                  |                  |                    |                 |
| 9.88 - 10.38                                                                                                                                                                                |                                                                                    | B                                                                                  |                                                                                    |                                                                                            |                            |                    |          |                                 |            |                         |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    | Casing Depths                                                                              |                            | General Remarks    |          |                                 | Chiselling |                         |                  | Ground Water     |                    |                 |
| Depth Base (m)                                                                                                                                                                              | Diameter (mm)                                                                      | Depth Base (m)                                                                     | Diameter (mm)                                                                      | Depths are reported in mbgl.                                                               |                            |                    | From (m) | To (m)                          | Time (hr)  | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 20.65                                                                                                                                                                                       | 177                                                                                | 20.20                                                                              | 177                                                                                |                                                                                            |                            |                    |          |                                 |            |                         |                  |                  |                    |                 |

|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------|--------------------|---------------------------------|--|-------------------------|--|--------|--|
| <div><div> SOLMEK</div><div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div></div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                                                                                                                                                                        |                            |         |                    |                                 |  | Scale 1:50 Sheet 2 of 3 |  | BH-205 |  |
| Contract no: S250403                                                                                                                                                                                          |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDESIER                                                                                                                                                                                     |                            |         |                    | Driller: Borehole Solutions Ltd |  | GL (AOD): 0.98m         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    | Plant used: fraste XL 140       |  | Easting: 281461         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    | Started: 10/09/2025             |  | Northing: 857831        |  |        |  |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                                   |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    | Ended: 11/09/2025               |  | Logged: SM              |  |        |  |
| Method: Sonic overwater drilling                                                                                                                                                                              |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    | Backfilled: 11/09/2025          |  | Status: DRAFT           |  |        |  |
| Backfill / Installation                                                                                                                                                                                       | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                                                                                                                                                            | Samples and Insitu Testing |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | Depth (m)                  |         | Type               | Results                         |  |                         |  |        |  |
|                                                                                                                              |  |  |  | Medium dense dark grey locally pinkish brown slightly gravelly silty SAND. Sand is fine to medium grained. Gravel is sub-angular to rounded, fine to medium of siltstone, micro granite, sandstone and quartz. | 10.16 - 10.26              | D       | N=19 (3,4/4,4,5,6) |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 11.16 - 11.26              | D       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 11.20 - 11.65              | SPT (S) |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 11.20 - 11.65              | SPTLS   |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 11.38 - 11.88              | B       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 12.16 - 12.26              | D       | N=23 (3,4/5,5,6,7) |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 12.70 - 13.15              | SPT (S) |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 12.70 - 13.15              | SPTLS   |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 12.88 - 13.38              | B       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 13.16 - 13.26              | D       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 14.16 - 14.26              | D       | N=22 (2,4/4,5,6,7) |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 14.20 - 14.65              | SPT (S) |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 14.38 - 14.88              | B       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 15.16 - 15.26              | D       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 15.70 - 16.15              | SPT (S) | N=25 (3,5/5,6,7,7) |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 15.70 - 16.15              | SPTLS   |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 15.88 - 16.38              | B       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 16.16 - 16.26              | D       |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               |                                                                                    |                                                                                    |                                                                                    |                                                                                                                                                                                                                | 17.20 - 17.65              | SPT (S) | N=30 (4,5/6,7,8,9) |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 17.20 - 17.65                                                                      | SPTLS                                                                              |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 17.38 - 17.88                                                                      | B                                                                                  |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 18.16 - 18.26                                                                      | D                                                                                  |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 18.70 - 19.15                                                                      | SPT (S)                                                                            | N=31 (4,6/7,7,8,9)                                                                 |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 18.70 - 19.15                                                                      | SPTLS                                                                              |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 18.88 - 19.38                                                                      | B                                                                                  |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.16 - 19.26                                                                      | D                                                                                  |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |
|                                                                                                                                                                                                               | 19.48 - 19.48                                                                      |                                                                                    |                                                                                    |                                                                                                                                                                                                                |                            |         |                    |                                 |  |                         |  |        |  |

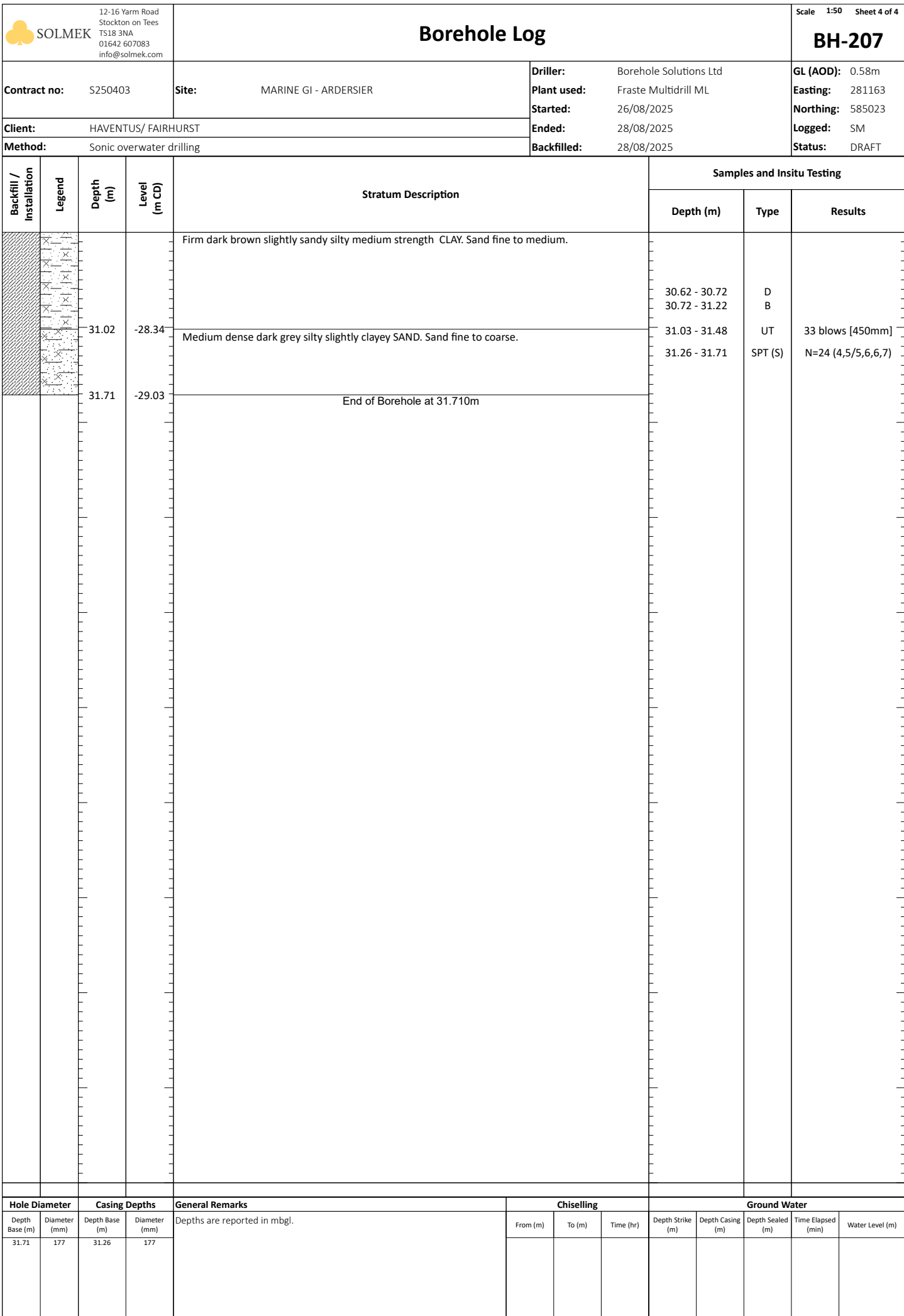




|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------|---------|-------------------------|--------|-----------|------------------|------------------|------------------|--------------------|-----------------|
|  <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                     | <h1>Borehole Log</h1>                                                               |                                                                                     |                                                                                                |                                  |         | Scale 1:50 Sheet 1 of 4 |        |           |                  |                  |                  |                    |                 |
| Contract no: S250403                                                                                                                                                              |                                                                                     | Site: MARINE GI - ARDERSIER                                                         |                                                                                     |                                                                                                | Driller: Borehole Solutions Ltd  |         | GL (AOD): 0.58m         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | Plant used: Fraste Multidrill ML |         | Easting: 281163         |        |           |                  |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                       |                                                                                     |                                                                                     |                                                                                     |                                                                                                | Started: 26/08/2025              |         | Northing: 585023        |        |           |                  |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                                | Ended: 28/08/2025                |         | Logged: SM              |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | Backfilled: 28/08/2025           |         | Status: DRAFT           |        |           |                  |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                           | Legend                                                                              | Depth (m)                                                                           | Level (m CD)                                                                        | Stratum Description                                                                            | Samples and Insitu Testing       |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | Depth (m)                        | Type    | Results                 |        |           |                  |                  |                  |                    |                 |
|                                                                                                  |  |  |  | Void comprising moonpool of drilling pontoon and depth of water prior to encountering sea-bed. |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     | 5.76                                                                                | -3.08                                                                               | Black organic rich SILT.                                                                       | 5.76 - 5.91                      | ES      |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 6.26 - 6.76                      | ES      |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     | 6.72                                                                                | -4.04                                                                               | Medium dense black organic rich silty SAND. Sand is fine to coarse grained.                    | 6.76 - 7.26                      | ES      |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 7.26 - 7.71                      | SPT (S) |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 7.26 - 7.76                      | ES      |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 7.26 - 7.76                      | SPTLS   |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     | 7.32                                                                                | -4.64                                                                               | Medium dense dark grey silty SAND. Sand is fine to coarse grained.                             | 7.82 - 7.92                      | D       |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 8.22 - 8.72                      | D       |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 8.76 - 9.21                      | SPT (S) |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 8.76 - 9.21                      | SPTLS   |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 8.82 - 8.92                      | D       |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 9.62 - 9.72                      | D       |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                | 9.72 - 10.22                     | B       |                         |        |           |                  |                  |                  |                    |                 |
|                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                     |                                                                                     | Casing Depths                                                                       |                                                                                     | General Remarks                                                                                |                                  |         | Chiselling              |        |           | Ground Water     |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                    | Diameter (mm)                                                                       | Depth Base (m)                                                                      | Diameter (mm)                                                                       | Depths are reported in mbgl.                                                                   |                                  |         | From (m)                | To (m) | Time (hr) | Depth Strike (m) | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 31.71                                                                                                                                                                             | 177                                                                                 | 31.26                                                                               | 177                                                                                 |                                                                                                |                                  |         |                         |        |           |                  |                  |                  |                    |                 |

|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                    |                            |         |                    |                                  |           |                         |                  |                  |                    |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------|---------|--------------------|----------------------------------|-----------|-------------------------|------------------|------------------|--------------------|-----------------|
| <div> SOLMEK</div> <div>12-16 Yarm Road<br/>Stockton on Tees<br/>TS18 3NA<br/>01642 607083<br/>info@solmek.com</div> |                                                                                    |                                                                                    |                                                                                    | <div>Borehole Log</div>                                            |                            |         |                    |                                  |           | Scale 1:50 Sheet 2 of 4 |                  | BH-207           |                    |                 |
| Contract no: S250403                                                                                                                                                                                |                                                                                    |                                                                                    |                                                                                    | Site: MARINE GI - ARDERSIER                                        |                            |         |                    | Driller: Borehole Solutions Ltd  |           | GL (AOD): 0.58m         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                    |                            |         |                    | Plant used: Fraste Multidrill ML |           | Easting: 281163         |                  |                  |                    |                 |
| Client: HAVENTUS/ FAIRHURST                                                                                                                                                                         |                                                                                    |                                                                                    |                                                                                    |                                                                    |                            |         |                    | Started: 26/08/2025              |           | Northing: 585023        |                  |                  |                    |                 |
| Method: Sonic overwater drilling                                                                                                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                    |                            |         |                    | Ended: 28/08/2025                |           | Logged: SM              |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                    |                            |         |                    | Backfilled: 28/08/2025           |           | Status: DRAFT           |                  |                  |                    |                 |
| Backfill / Installation                                                                                                                                                                             | Legend                                                                             | Depth (m)                                                                          | Level (m CD)                                                                       | Stratum Description                                                | Samples and Insitu Testing |         |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                    | Depth (m)                  |         | Type               | Results                          |           |                         |                  |                  |                    |                 |
|                                                                                                                    |  |  |  | Medium dense dark grey silty SAND. Sand is fine to coarse grained. | 10.26 - 10.71              |         | SPT (S)            | N=12 (2,3/3,2,3,4)               |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 10.26 - 10.71                                                      |                            | SPTLS   |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 10.82 - 10.92                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 11.22 - 11.72                                                      |                            | B       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 11.76 - 12.21                                                      |                            | SPT (S) | N=14 (2,3/3,3,4,4) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 11.76 - 12.21                                                      |                            | SPTLS   |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 11.82 - 11.92                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 12.62 - 12.72                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 13.26 - 13.71                                                      |                            | SPT (S) | N=19 (3,4/4,4,5,6) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 13.26 - 13.71                                                      |                            | SPTLS   |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 13.82 - 13.92                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 14.22 - 14.72                                                      |                            | B       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 14.76 - 15.21                                                      |                            | SPT (S) | N=22 (3,4/5,5,6,6) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 14.76 - 15.21                                                      |                            | SPTLS   |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 14.82 - 14.92                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 15.62 - 15.72                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 15.72 - 16.22                                                      |                            | B       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 16.26 - 16.71                                                      |                            | SPT (S) | N=23 (3,4/5,6,6,6) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 16.26 - 16.71                                                      |                            | SPTLS   |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 16.82 - 16.92                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 17.22 - 17.72                                                      |                            | B       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 17.76 - 18.21                                                      |                            | SPT (S) | N=24 (3,5/5,6,6,7) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 17.76 - 18.21                                                      |                            | SPTLS   |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 17.82 - 17.92                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 18.62 - 18.72                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 18.72 - 19.22                                                      |                            | B       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 19.26 - 19.71                                                      |                            | SPT (S) | N=25 (4,5/5,6,7,7) |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 19.26 - 19.71                                                      |                            | SPTLS   |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    | 19.82 - 19.92                                                      |                            | D       |                    |                                  |           |                         |                  |                  |                    |                 |
|                                                                                                                                                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                    |                            |         |                    |                                  |           |                         |                  |                  |                    |                 |
| Hole Diameter                                                                                                                                                                                       |                                                                                    | Casing Depths                                                                      |                                                                                    | General Remarks                                                    |                            |         | Chiselling         |                                  |           | Ground Water            |                  |                  |                    |                 |
| Depth Base (m)                                                                                                                                                                                      | Diameter (mm)                                                                      | Depth Base (m)                                                                     | Diameter (mm)                                                                      | Depths are reported in mbgl.                                       |                            |         | From (m)           | To (m)                           | Time (hr) | Depth Strike (m)        | Depth Casing (m) | Depth Sealed (m) | Time Elapsed (min) | Water Level (m) |
| 31.71                                                                                                                                                                                               | 177                                                                                | 31.26                                                                              | 177                                                                                |                                                                    |                            |         |                    |                                  |           |                         |                  |                  |                    |                 |







## APPENDIX C

## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02767

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-1 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 18-20-Aug-25

Date Samples Received: 21-Aug-25

Test Report Date: 25-Sep-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



1252

MAR02767  
This test report shall not be reproduced except in full, without written approval of the laboratory

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-118 2.31-2.46                | MAR02767.001 | Sediment           | 21.1                   | 78.9         | 0.00          | 76.07             | 23.93         | 2.64             |
| BH-118 6.95-7.45                | MAR02767.002 | Sediment           | 20.7                   | 79.3         | 0.25          | 87.76             | 11.98         | 2.64             |
| BH-118 11.90-12.4               | MAR02767.003 | Sediment           | 17.3                   | 82.7         | 0.00          | 93.06             | 6.94          | 2.65             |
| BH-115 4.33-4.48                | MAR02767.004 | Sediment           | 29.1                   | 70.9         | 1.52          | 63.55             | 34.93         | 2.63             |
| BH-115 7.80-8.30                | MAR02767.005 | Sediment           | 19.5                   | 80.5         | 0.00          | 68.56             | 31.44         | 2.67             |
| BH-115 11.90-12.40              | MAR02767.006 | Sediment           | 26.0                   | 74.0         | 0.00          | 63.70             | 36.30         | 2.65             |
| BH-116 4.04-4.19                | MAR02767.007 | Sediment           | 46.1                   | 53.9         | 0.00          | 37.68             | 62.32         | 2.55             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analy

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-118 2.31-2.46                | MAR02767.001 | Sediment           | NAD      | 0.12    |
| BH-118 6.95-7.45                | MAR02767.002 | Sediment           | NAD      | 0.05    |
| BH-118 11.90-12.4               | MAR02767.003 | Sediment           | NAD      | 0.05    |
| BH-115 4.33-4.48                | MAR02767.004 | Sediment           | NAD      | 0.43    |
| BH-115 7.80-8.30                | MAR02767.005 | Sediment           | NAD      | 0.23    |
| BH-115 11.90-12.40              | MAR02767.006 | Sediment           | NAD      | 0.22    |
| BH-116 4.04-4.19                | MAR02767.007 | Sediment           | NAD      | 1.37    |
| Reference Material (% Recovery) |              |                    | N/A      | 88      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-118 2.31-2.46                                    | MAR02767.001 | Sediment           | 2.3                | <0.04   | 7.9      | 10.4   | <0.01   | 4.4    | 7.7  | 82.8 |
| BH-118 6.95-7.45                                    | MAR02767.002 | Sediment           | 1.2                | <0.04   | 3.7      | 2.1    | <0.01   | 2.5    | 1.4  | 11.9 |
| BH-118 11.90-12.4                                   | MAR02767.003 | Sediment           | 2.6                | <0.04   | 7.1      | 2.6    | <0.01   | 4.5    | 2.1  | 14.0 |
| BH-115 4.33-4.48                                    | MAR02767.004 | Sediment           | 3.6                | 0.08    | 13.7     | 6.6    | 0.01    | 8.2    | 8.0  | 38.9 |
| BH-115 7.80-8.30                                    | MAR02767.005 | Sediment           | 2.6                | 0.14    | 10.5     | 4.8    | <0.01   | 7.4    | 3.6  | 28.9 |
| BH-115 11.90-12.40                                  | MAR02767.006 | Sediment           | 1.8                | 0.13    | 9.3      | 4.1    | <0.01   | 6.5    | 3.2  | 23.2 |
| BH-116 4.04-4.19                                    | MAR02767.007 | Sediment           | 7.6                | 0.13    | 21.4     | 10.4   | 0.08    | 12.2   | 13.9 | 55.6 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 96                 | 97      | 95       | 97     | 101     | 89     | 98   | 97   |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

MAR02767

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 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-118 2.31-2.46                                  | MAR02767.001 | Sediment           | 6.99               | <5                |
| BH-118 6.95-7.45                                  | MAR02767.002 | Sediment           | <1                 | <1                |
| BH-118 11.90-12.4                                 | MAR02767.003 | Sediment           | <1                 | <1                |
| BH-115 4.33-4.48                                  | MAR02767.004 | Sediment           | <5                 | <5                |
| BH-115 7.80-8.30                                  | MAR02767.005 | Sediment           | <1                 | <1                |
| BH-115 11.90-12.40                                | MAR02767.006 | Sediment           | <5                 | <5                |
| BH-116 4.04-4.19                                  | MAR02767.007 | Sediment           | 11.7               | <5                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 84                 | 85                |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes



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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | 37.7               | 2.44               | 8.00               | 36.2               | 58.5               | 55.8               |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | 3.45               | 4.76               | 10.3               | 42.1               | 58.2               | 46.7               |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1.56               | 1.58               |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | 1.38               |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | 15.5               | <5                 | 11.3               | 68.8               | 114                | 98.2               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 40                 | 112                | 89                 | 89                 | 101                | 95                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
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\*See report notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | 42.3               | 42.2               | 49.4               | 39.3               | 32.9               | 18.5               |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1.34               | <1                 |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1.61               | <1                 |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | 39.9               | 44.0               | 45.2               | 8.83               | 38.7               | 25.1               |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | 1.71               | 4.34               | <1                 | 1.44               | 2.71               | 2.28               |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | 1.37               | 3.18               | <1                 | <1                 | 2.19               | 2.24               |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | 89.5               | 98.3               | 103                | 27.6               | 48.8               | 46.7               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 111                | 114                | 92                 | 94                 | 66                 | 79                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | 7.78               | 45.9               | 9.96               | 85.1               | 22.0               | 48.0               |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | 2.63               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | 2.72               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | 11.2               | 45.2               | 7.91               | 79.0               | 5.39               | 45.6               |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | 3.72               | 1.40               | <1                 | 1.29               | <1                 | 1.78               |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | 4.24               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | 18.2               | 80.6               | 19.8               | 127                | 9.91               | 105                |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 41                 | 105                | 110                | 94                 | 65                 | 108                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | N*                 | N*                 | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | 6.68               | 38.3               | 52.0               | 87.3               | 44500              |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <1                 | <1                 | <1                 | 1.48               | 9530               |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <1                 | 4.59               | <1                 | <1                 | 5290               |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | 4.40               | 110                | 29.4               | 81.1               | 52600              |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <1                 | 126                | <1                 | 3.41               | 17900              |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <1                 | 118                | <1                 | 2.73               | 20700              |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | 9.35               | 125                | 47.4               | 132                | 204000             |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 87                 | 106                | 81                 | 94                 | 90~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | 0.11               | 0.11               | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 66                 | 100                | 92                 | 88                 | 114                | 80                 | 62                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | 0.08               | <0.08              | <0.08              |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 91                 | 79                 | 89                 | 83                 | 90                 | 77                 | 68                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 111                | 72                 | 73                 | 70                 | 88                 | 54                 | 73                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | <0.08              | 0.08               | <0.08              | <0.08              | <0.56              |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 97                 | 92                 | 79                 | 78                 | 98~                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | 0.14               |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | <0.1               | <0.1               | <0.1               | 0.16               | <0.1               | 0.19               | <0.1               | 0.21               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 98~                | 84~                | 98~                | 63                 | 76                 | 82                 | 45                 | 76                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | <0.05              | <0.05              | 0.05               | <0.05              | 0.07               | 0.08               |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | 0.18               | 0.09               | 0.34               | 0.06               | 0.07               | 0.23               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 109                | 111                | 94~                | 123                | 133                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

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# Certificate of Analysis



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Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-118 2.31-2.46                                          | MAR02767.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| BH-118 6.95-7.45                                          | MAR02767.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| BH-118 11.90-12.4                                         | MAR02767.003 | Sediment           | 0.07               | 0.09               | 0.10               | 0.08               | 0.09               | <2                 |
| BH-115 4.33-4.48                                          | MAR02767.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| BH-115 7.80-8.30                                          | MAR02767.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| BH-115 11.90-12.40                                        | MAR02767.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| BH-116 4.04-4.19                                          | MAR02767.007 | Sediment           | <0.05              | <0.05              | 0.09               | <0.05              | 0.08               | 22.3               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 111~               | 295                | 98~                | 135                | 85                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2*                |

\* See Report Notes

# Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwell House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



Test Report ID MAR02767

Issue Version 1

Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code     | Sample ID                    | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02767.001-007             | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ICPMSS*         | MAR02767.001-007             | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SUB_01*         | MAR02767.001-007             | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SUB_02*         | MAR02767.001-007             | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SUB_03*         | MAR02767.001-007             | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ASC/SOP/301     | MAR02767.001, .004, .006-007 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ASC/SOP/303/304 | MAR02767.007                 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ASC/SOP/303/304 | MAR02767.001-007             | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (ANTHRACEN, PHENANT, PYRENE) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/303/304 | MAR02767.001-007             | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                                                |
| ASC/SOP/303/304 | MAR02767.001-007             | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                                    |
| ASC/SOP/308     | MAR02767.001-007             | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PBDE99, PBDE153) . These circumstances should be taken into consideration when utilising the data.            |
| ASC/SOP/308     | MAR02767.001-007             | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                                        |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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# Certificate of Analysis



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Test Report ID MAR02767  
 Issue Version 1  
 Customer Reference 162855-1 Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02769

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-2 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 18-19/08/2025

Date Samples Received: 27-Aug-25

Test Report Date: 24-Sep-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_03*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-116 8.10-8.60                | MAR02769.001 | Sediment           | 19.2                   | 80.8         | 0.00          | 95.85             | 4.15          | 2.65             |
| BH-116 11.90-12.40              | MAR02769.002 | Sediment           | 17.9                   | 82.1         | 0.00          | 85.24             | 14.76         | 2.65             |
| BH-114 1.37-1.52                | MAR02769.003 | Sediment           | 36.0                   | 64.0         | 0.00          | 40.34             | 59.66         | 2.64             |
| BH-114 6.60-7.10                | MAR02769.004 | Sediment           | 14.9                   | 85.1         | 0.00          | 90.10             | 9.90          | 2.64             |
| BH-114 11.90-12.40              | MAR02769.005 | Sediment           | 18.1                   | 81.9         | 0.00          | 85.91             | 14.09         | 2.67             |
| BH-117 3.70-3.85                | MAR02769.006 | Sediment           | 25.5                   | 74.5         | 0.00          | 74.79             | 25.21         | 2.65             |
| BH-117 8.10-8.60                | MAR02769.007 | Sediment           | 17.8                   | 82.2         | 0.00          | 89.25             | 10.75         | 2.65             |
| BH-117 11.90-12.40              | MAR02769.008 | Sediment           | 19.5                   | 80.5         | 0.00          | 89.35             | 10.65         | 2.65             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analy

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-116 8.10-8.60                | MAR02769.001 | Sediment           | NAD      | 0.05    |
| BH-116 11.90-12.40              | MAR02769.002 | Sediment           | NAD      | 0.06    |
| BH-114 1.37-1.52                | MAR02769.003 | Sediment           | NAD      | 0.79    |
| BH-114 6.60-7.10                | MAR02769.004 | Sediment           | NAD      | 0.06    |
| BH-114 11.90-12.40              | MAR02769.005 | Sediment           | NAD      | 0.06    |
| BH-117 3.70-3.85                | MAR02769.006 | Sediment           | NAD      | 0.16    |
| BH-117 8.10-8.60                | MAR02769.007 | Sediment           | NAD      | 0.04    |
| BH-117 11.90-12.40              | MAR02769.008 | Sediment           | NAD      | 0.09    |
| Reference Material (% Recovery) |              |                    | N/A      | 93      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02769  
Issue Version             1  
Customer Reference       162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-116 8.10-8.60                                    | MAR02769.001 | Sediment           | 1.6                | <0.04   | 6.0      | 2.2    | <0.01   | 3.8    | 1.6  | 13.3 |
| BH-116 11.90-12.40                                  | MAR02769.002 | Sediment           | 0.5                | <0.04   | 6.5      | 3.0    | <0.01   | 4.4    | 1.8  | 12.1 |
| BH-114 1.37-1.52                                    | MAR02769.003 | Sediment           | 10.2               | 0.21    | 24.8     | 17.4   | 0.03    | 15.0   | 19.2 | 82.8 |
| BH-114 6.60-7.10                                    | MAR02769.004 | Sediment           | 1.7                | <0.04   | 5.8      | 4.7    | <0.01   | 3.4    | 3.0  | 42.2 |
| BH-114 11.90-12.40                                  | MAR02769.005 | Sediment           | 1.7                | 0.04    | 6.8      | 3.4    | <0.01   | 4.5    | 2.2  | 16.1 |
| BH-117 3.70-3.85                                    | MAR02769.006 | Sediment           | 2.6                | 0.05    | 9.2      | 8.4    | <0.01   | 5.6    | 6.7  | 49.2 |
| BH-117 8.10-8.60                                    | MAR02769.007 | Sediment           | 1.2                | <0.04   | 7.0      | 3.9    | <0.01   | 4.8    | 2.5  | 17.7 |
| BH-117 11.90-12.40                                  | MAR02769.008 | Sediment           | 3.1                | 0.05    | 7.8      | 3.8    | <0.01   | 5.7    | 2.2  | 17.4 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 96                 | 97      | 95       | 97     | 101     | 89     | 98   | 97   |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID MAR02769  
Issue Version 1  
Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-116 8.10-8.60                                  | MAR02769.001 | Sediment           | <1                 | <1                |
| BH-116 11.90-12.40                                | MAR02769.002 | Sediment           | <1                 | <1                |
| BH-114 1.37-1.52                                  | MAR02769.003 | Sediment           | <5                 | 13.8              |
| BH-114 6.60-7.10                                  | MAR02769.004 | Sediment           | <1                 | <1                |
| BH-114 11.90-12.40                                | MAR02769.005 | Sediment           | <1                 | <1                |
| BH-117 3.70-3.85                                  | MAR02769.006 | Sediment           | <5                 | 9.53              |
| BH-117 8.10-8.60                                  | MAR02769.007 | Sediment           | <1                 | <1                |
| BH-117 11.90-12.40                                | MAR02769.008 | Sediment           | <1                 | 1.40              |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 123                | 115               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | 7.33               | 2.70               | 11.4               | 38.5               | 41.0               | 38.6               |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | 5.14               | <1                 | 5.83               | 14.4               | 16.2               | 14.5               |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | 2.51               | <1                 | 2.01               | 2.75               | 2.76               | 2.40               |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 37                 | 118                | 103                | 89                 | 84                 | 83                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
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\*See report notes



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Test Report ID MAR02769  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | 31.4               | 32.2               | 39.5               | 9.24               | 24.7               | 20.4               |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <1                 | 1.60               | <1                 | <1                 | <1                 | <1                 |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | 12.1               | 11.4               | 14.2               | 4.23               | 18.3               | 6.09               |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | 1.99               | 1.72               | 2.02               | 2.13               | 4.41               | 1.56               |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 98                 | 91                 | 89                 | 100                | 68                 | 82                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | 12.7               | 44.2               | 5.23               | 78.6               | 6.38               | 30.9               |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | 1.41               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | 4.11               | 16.2               | 1.73               | 28.0               | 3.91               | 11.8               |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <1                 | 2.99               | <1                 | 6.58               | 1.82               | 1.43               |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 40                 | 107                | 82                 | 90                 | 67                 | 88                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | 2390               |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <1                 | 5.18               | <1                 | <1                 | 9470               |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | 4.90               | 199                | 40.7               | 79.1               | 85200              |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <1                 | 2.56               | <1                 | <1                 | 5650               |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <1                 | 25.8               | <1                 | 1.34               | 5360               |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | 1.91               | 28.9               | 21.9               | 28.5               | 20200              |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | 1.27               | 5.88               | 10.5               | 7.49               | 4450               |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <1                 | 30.3               | <1                 | <1                 | 6620               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 101                | 101                | 83                 | 92                 | 96~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | <0.08              | <0.08              | <0.08              | 0.10               | 0.19               | 0.16               | <0.08              |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 66                 | 100                | 92                 | 88                 | 114                | 80                 | 62                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 91                 | 79                 | 89                 | 83                 | 90                 | 77                 | 68                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | <0.08              | <0.08              | 0.11               | <0.08              | 0.13               | <0.08              | <0.08              |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 111                | 72                 | 73                 | 70                 | 88                 | 54                 | 73                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | 0.74               |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 97                 | 92                 | 79                 | 78                 | 88                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
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# Certificate of Analysis



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Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 64                 | 98                 | 99                 | 122                | 88                 | 79                 | 72                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries

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\*See report notes

MAR02769

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Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 81                 | 86                 | 75                 | 82                 | 92                 | 79                 | 64                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 111                | 70                 | 68                 | 83                 | 72                 | 58                 | 77                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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 \*See report notes

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Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 77                 | 105                | 73                 | 81                 | 88                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

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 \*See report notes

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Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | 0.22               | <0.1               | 0.25               |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 98~                | 84~                | 98~                | 63                 | 76                 | 82                 | 45                 | 76                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 97~                | 88~                | 98~                | 63                 | 73                 | 67                 | 89                 | 76                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

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# Certificate of Analysis



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Test Report ID           MAR02769  
Issue Version             1  
Customer Reference       162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 91~                | 133                | 134                | 98~                | 149                | 155                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes



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Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-116 8.10-8.60                                          | MAR02769.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 2.98               |
| BH-116 11.90-12.40                                        | MAR02769.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH-114 1.37-1.52                                          | MAR02769.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 2.85               |
| BH-114 6.60-7.10                                          | MAR02769.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 3.42               |
| BH-114 11.90-12.40                                        | MAR02769.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 4.29               |
| BH-117 3.70-3.85                                          | MAR02769.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 4.27               |
| BH-117 8.10-8.60                                          | MAR02769.007 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 4.51               |
| BH-117 11.90-12.40                                        | MAR02769.008 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 3.44               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 91~                | 97~                | 167                | 86~                | 118                | 93                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1.0.*             |

\* See Report Notes

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Test Report ID MAR02769

Issue Version 1

Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code     | Sample ID           | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR002769.001-008   | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ICPMSS*         | MAR002769.001-008   | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SUB_01*         | MAR002769.001-008   | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SUB_02*         | MAR002769.001-008   | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ASC/SOP/301     | MAR002769.003, .006 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                       |
| ASC/SOP/302     | MAR002769.007-008   | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PCB180) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/303/304 | MAR002769.001-008   | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                            |
| ASC/SOP/303/304 | MAR002769.001-008   | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                |
| ASC/SOP/308     | MAR002769.001-008   | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                    |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

MAR02769

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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwell House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02769  
 Issue Version 1  
 Customer Reference 162855-2 Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02787

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-3 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 19-21-Aug-25

Date Samples Received: 02-Sep-25

Test Report Date: 30-Sep-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-112 2.65-2.80                | MAR02787.001 | Sediment           | 17.3                   | 82.7         | 1.99          | 66.17             | 31.84         | 2.63             |
| BH-112 6.15-6.65                | MAR02787.002 | Sediment           | 17.5                   | 82.5         | 0.00          | 87.53             | 12.47         | 2.64             |
| BH-112 9.15-9.65                | MAR02787.003 | Sediment           | 15.1                   | 84.9         | 0.00          | 79.58             | 20.42         | 2.65             |
| BH-113 4.48-4.73                | MAR02787.004 | Sediment           | 53.8                   | 46.2         | 0.00          | 43.51             | 56.49         | 2.58             |
| BH-113 6.60-7.10                | MAR02787.005 | Sediment           | 22.8                   | 77.2         | 0.00          | 81.06             | 18.94         | 2.63             |
| BH-113 8.60-9.10                | MAR02787.006 | Sediment           | 25.6                   | 74.4         | 0.00          | 71.67             | 28.33         | 2.65             |
| BH-203 4.04-4.19                | MAR02787.007 | Sediment           | 15.1                   | 84.9         | 0.00          | 84.09             | 15.91         | 2.64             |
| BH-203 4.54-5.04                | MAR02787.008 | Sediment           | 17.1                   | 82.9         | 0.00          | 87.15             | 12.85         | 2.65             |
| BH-203 5.54-6.04                | MAR02787.009 | Sediment           | 18.5                   | 81.5         | 0.00          | 83.17             | 16.29         | 2.64             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analy

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-112 2.65-2.80                | MAR02787.001 | Sediment           | NAD      | 0.18    |
| BH-112 6.15-6.65                | MAR02787.002 | Sediment           | NAD      | 0.04    |
| BH-112 9.15-9.65                | MAR02787.003 | Sediment           | NAD      | 0.11    |
| BH-113 4.48-4.73                | MAR02787.004 | Sediment           | NAD      | 0.81    |
| BH-113 6.60-7.10                | MAR02787.005 | Sediment           | NAD      | 0.13    |
| BH-113 8.60-9.10                | MAR02787.006 | Sediment           | NAD      | 0.19    |
| BH-203 4.04-4.19                | MAR02787.007 | Sediment           | NAD      | 0.12    |
| BH-203 4.54-5.04                | MAR02787.008 | Sediment           | NAD      | 0.05    |
| BH-203 5.54-6.04                | MAR02787.009 | Sediment           | NAD      | 0.08    |
| Reference Material (% Recovery) |              |                    | N/A      | 106     |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-112 2.65-2.80                                    | MAR02787.001 | Sediment           | 2.4                | <0.04   | 4.7      | 6.0    | <0.01   | 3.8    | 4.4  | 40.4 |
| BH-112 6.15-6.65                                    | MAR02787.002 | Sediment           | 1.2                | <0.04   | 2.4      | 1.7    | <0.01   | 2.3    | 1.1  | 10.9 |
| BH-112 9.15-9.65                                    | MAR02787.003 | Sediment           | 1.3                | <0.04   | 3.0      | 1.9    | <0.01   | 2.6    | 1.2  | 11.4 |
| BH-113 4.48-4.73                                    | MAR02787.004 | Sediment           | 8.0                | 0.16    | 18.7     | 10.0   | 0.05    | 11.7   | 16.3 | 60.6 |
| BH-113 6.60-7.10                                    | MAR02787.005 | Sediment           | 1.8                | <0.04   | 3.2      | 1.7    | <0.01   | 3.0    | 2.4  | 24.8 |
| BH-113 8.60-9.10                                    | MAR02787.006 | Sediment           | 2.3                | 0.15    | 5.8      | 3.5    | <0.01   | 5.3    | 2.9  | 26.4 |
| BH-203 4.04-4.19                                    | MAR02787.007 | Sediment           | 1.4                | 0.10    | 4.9      | 3.1    | <0.01   | 4.2    | 1.7  | 22.0 |
| BH-203 4.54-5.04                                    | MAR02787.008 | Sediment           | 1.3                | 0.07    | 3.9      | 2.8    | <0.01   | 3.8    | 1.4  | 22.7 |
| BH-203 5.54-6.04                                    | MAR02787.009 | Sediment           | 1.3                | 0.06    | 3.9      | 3.1    | <0.01   | 4.0    | 1.6  | 23.0 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 106                | 101     | 99       | 93     | 101     | 98     | 97   | 106  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-112 2.65-2.80                                  | MAR02787.001 | Sediment           | <1                 | <1                |
| BH-112 6.15-6.65                                  | MAR02787.002 | Sediment           | <1                 | <1                |
| BH-112 9.15-9.65                                  | MAR02787.003 | Sediment           | <1                 | 1.77              |
| BH-113 4.48-4.73                                  | MAR02787.004 | Sediment           | <5                 | 12.5              |
| BH-113 6.60-7.10                                  | MAR02787.005 | Sediment           | <1                 | <1                |
| BH-113 8.60-9.10                                  | MAR02787.006 | Sediment           | <5                 | <5                |
| BH-203 4.04-4.19                                  | MAR02787.007 | Sediment           | <1                 | <1                |
| BH-203 4.54-5.04                                  | MAR02787.008 | Sediment           | <1                 | <1                |
| BH-203 5.54-6.04                                  | MAR02787.009 | Sediment           | <5                 | <5                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 123                | 115               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID MAR02787  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | <1                 | <1                 | <1                 | 4.26               | 5.56               | 6.10               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | <5                 | <5                 | 10.9               | 47.7               | 57.9               | 67.1               |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <1                 | <1                 | <1                 | 1.29               | 1.96               | 2.48               |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1                  | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 42                 | 134                | 96                 | 84                 | 82                 | 91                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
Issue Version 1  
Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | 5.07               | 4.08               | 6.25               | <1                 | 2.33               | 2.00               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | 57.9               | 53.4               | 66.4               | 32.2               | 45.1               | 48.9               |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <1                 | 1                  | <1                 | <1                 | <1                 | 1.82               |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | 1.77               | 1.42               | 1.90               | <1                 | 1.53               | 1.59               |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 93                 | 87                 | 82                 | 100                | 64                 | 88                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | <1                 | 5.59               | <1                 | 7.79               | <1                 | 4.16               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | 19.1               | 59.6               | <5                 | 112                | <5                 | 54.2               |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <1                 | <1                 | <1                 | 1.5                | <1                 | <1                 |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | 1.97               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | 1.39               | 2.76               | <1                 | 3.53               | <1                 | 1.40               |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <1                 | 1.40               | <1                 | 2.41               | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 41                 | 96                 | 85                 | 89                 | 72                 | 87                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
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 \*See report notes

# Certificate of Analysis



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Test Report ID MAR02787  
Issue Version 1  
Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | <1                 | 8.33               | 3.28               | 11.0               | 33200              |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | 6090               |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <1                 | 24.8               | <1                 | <1                 | 9460               |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | 16.8               | 141                | 45.7               | 107                | 165000             |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <1                 | 2.83               | <1                 | 1.85               | 4210               |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <1                 | 56.1               | <1                 | 1.97               | 9590               |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <1                 | 8.81               | 2.13               | 3.52               | 15800              |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <1                 | 2.91               | <1                 | <1                 | 7660               |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <1                 | 2.32               | <1                 | 2.33               | 7430               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 110                | 88                 | 79                 | 92                 | 93~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | 0.12               | 0.11               | 0.30               | 0.51               | 0.32               | 0.36               | <0.08              |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | 0.11               | 0.09               | 0.10               | 0.09               | 0.19               | 0.24               | <0.08              |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 64                 | 98                 | 99                 | 122                | 88                 | 79                 | 72                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | 0.33               | 0.29               | 0.30               | 0.41               | 0.27               | 0.30               | 0.34               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | <0.08              | 0.12               | 0.09               | <0.08              | 0.13               | <0.08              | <0.08              |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 81                 | 86                 | 75                 | 82                 | 92                 | 79                 | 64                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | 0.36               | 0.32               | 0.36               | 0.34               | 0.37               | 0.28               | 0.10               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | 0.10               | <0.08              | 0.10               | <0.08              | <0.08              | <0.08              | 0.09               |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 111                | 70                 | 68                 | 83                 | 72                 | 58                 | 77                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes

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Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | 0.12               | 0.15               | 0.16               | 0.29               | 2.08               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | <0.08              | <0.08              | <0.08              | 0.11               | 0.92               |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 77                 | 105                | 73                 | 81                 | 88                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
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 \*See report notes



# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | <0.1               | 0.20               | <0.1               | 0.40               | <0.1               | 0.40               | 0.36               | 0.45               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | 0.25               | <0.1               | 0.15               |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 97~                | 88~                | 98~                | 63                 | 73                 | 67                 | 89                 | 76                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
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 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 134                | 115                | 94~                | 126                | 128                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-112 2.65-2.80                                          | MAR02787.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 2.09               |
| BH-112 6.15-6.65                                          | MAR02787.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH-112 9.15-9.65                                          | MAR02787.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH-113 4.48-4.73                                          | MAR02787.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 3.04               |
| BH-113 6.60-7.10                                          | MAR02787.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 1.95               |
| BH-113 8.60-9.10                                          | MAR02787.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH-203 4.04-4.19                                          | MAR02787.007 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH-203 4.54-5.04                                          | MAR02787.008 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH-203 5.54-6.04                                          | MAR02787.009 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 111~               | 114~               | 98~                | 107                | 78                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1.0*              |

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwell House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02787

Issue Version 1

Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code     | Sample ID                | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02787.001-009         | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ICPMSS*         | MAR02787.001-009         | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SUB_01*         | MAR02787.001-009         | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SUB_02*         | MAR02787.001-009         | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ASC/SOP/301     | MAR02787.004, .006, .009 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                       |
| ASC/SOP/302     | MAR02787.001-009         | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PCB180) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/303/304 | MAR02787.004             | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                       |
| ASC/SOP/303/304 | MAR02787.001-009         | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                            |
| ASC/SOP/303/304 | MAR02787.001-009         | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                |
| ASC/SOP/308     | MAR02787.001-009         | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                    |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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# Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



Test Report ID MAR02787  
 Issue Version 1  
 Customer Reference 162855-3 Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02798

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: Marine GI Ardersier Port, Inverness

Date Sampled: 26-Aug-25

Date Samples Received: 10-Sep-25

Test Report Date: 01-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH108 ES 4.64-4.79m             | MAR02798.001 | Sediment           | 33.1                   | 66.9         | 0.00          | 52.84             | 47.16         | 2.62             |
| BH108 ES 7.14-7.64m             | MAR02798.002 | Sediment           | 27.3                   | 72.7         | 0.00          | 85.55             | 14.45         | 2.63             |
| BH108 ES 9.50-10.00m            | MAR02798.003 | Sediment           | 26.3                   | 73.7         | 0.00          | 80.23             | 19.77         | 2.64             |
| BH207 ES 4.24-4.39m             | MAR02798.004 | Sediment           | 53.1                   | 46.9         | 0.00          | 34.50             | 65.50         | 2.59             |
| BH207 ES 5.24-5.74m             | MAR02798.005 | Sediment           | 26.7                   | 73.3         | 0.00          | 83.25             | 16.75         | 2.63             |
| BH207 ES 5.74-6.24m             | MAR02798.006 | Sediment           | 16.3                   | 83.7         | 0.00          | 82.84             | 17.16         | 2.64             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
NAD - No Asbestos Detected

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Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH108 ES 4.64-4.79m             | MAR02798.001 | Sediment           | NAD      | 0.12    |
| BH108 ES 7.14-7.64m             | MAR02798.002 | Sediment           | NAD      | 0.03    |
| BH108 ES 9.50-10.00m            | MAR02798.003 | Sediment           | NAD      | 0.06    |
| BH207 ES 4.24-4.39m             | MAR02798.004 | Sediment           | NAD      | 2.58    |
| BH207 ES 5.24-5.74m             | MAR02798.005 | Sediment           | NAD      | 0.07    |
| BH207 ES 5.74-6.24m             | MAR02798.006 | Sediment           | NAD      | 0.09    |
| Reference Material (% Recovery) |              |                    | N/A      | 96      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes

NAD - No Asbestos Detected

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Test Report ID MAR02798  
 Issue Version 1  
 Customer Reference Marine GI Ardersier Port, Inverness

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH108 ES 4.64-4.79m                                 | MAR02798.001 | Sediment           | 9.2                | 0.13    | 28.0     | 28.5   | 0.05    | 17.0   | 18.7 | 168  |
| BH108 ES 7.14-7.64m                                 | MAR02798.002 | Sediment           | 3.3                | <0.04   | 14.6     | 7.0    | <0.01   | 10.1   | 5.1  | 30.1 |
| BH108 ES 9.50-10.00m                                | MAR02798.003 | Sediment           | 4.0                | 0.04    | 16.5     | 5.7    | <0.01   | 11.0   | 3.3  | 28.7 |
| BH207 ES 4.24-4.39m                                 | MAR02798.004 | Sediment           | 9.8                | 0.21    | 32.4     | 26.5   | 0.06    | 20.0   | 24.6 | 155  |
| BH207 ES 5.24-5.74m                                 | MAR02798.005 | Sediment           | 4.2                | <0.04   | 14.4     | 10.3   | 0.02    | 9.6    | 6.3  | 49.9 |
| BH207 ES 5.74-6.24m                                 | MAR02798.006 | Sediment           | 3.2                | <0.04   | 15.5     | 7.4    | 0.02    | 10.1   | 3.9  | 38.0 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 98                 | 95      | 95       | 89     | 102     | 96     | 99   | 100  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH108 ES 4.64-4.79m                               | MAR02798.001 | Sediment           | 33.5               | 27.1              |
| BH108 ES 7.14-7.64m                               | MAR02798.002 | Sediment           | <5                 | <5                |
| BH108 ES 9.50-10.00m                              | MAR02798.003 | Sediment           | <5                 | <5                |
| BH207 ES 4.24-4.39m                               | MAR02798.004 | Sediment           | <5                 | <5                |
| BH207 ES 5.24-5.74m                               | MAR02798.005 | Sediment           | 22.8               | 30.0              |
| BH207 ES 5.74-6.24m                               | MAR02798.006 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 60                 | 65                |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | 10.6               | <5                 | 12.6               | 60.0               | 92.3               | 96.3               |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <5                 | <5                 | <5                 | <5                 | <5                 | <5                 |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | <5                 | <5                 | 11.4               | 43.2               | 53.9               | 52.5               |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | 19.0               | <5                 | 13.1               | 46.3               | 63.6               | 64.0               |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <1                 | <1                 | <1                 | 1.61               | 2.05               | 2.02               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 44                 | 144                | 84                 | 82                 | 84                 | 88                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
\*See report notes

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Test Report ID MAR02798  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | 63.5               | 74.0               | 87.8               | 8.58               | 22.3               | 12.6               |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <5                 | <5                 | <5                 | <5                 | <5                 | <5                 |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | 1.52               |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | 53.6               | 47.8               | 56.5               | 23.1               | 37.3               | 39.4               |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | 45.6               | 49.5               | 58.5               | 9.76               | 18.5               | 11.9               |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | 1.23               | 1.67               | 1.75               | <1                 | <1                 | 1.46               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 100                | 95                 | 74                 | 97                 | 69                 | 90                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries

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\*See report notes

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Test Report ID MAR02798  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | 7.91               | 79.9               | 16.1               | 115                | <5                 | 79.1               |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <5                 | <5                 | <5                 | <5                 | <5                 | <5                 |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | 1.44               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | 15.0               | 49.8               | <5                 | 97.6               | <5                 | 50.6               |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <5                 | 55.9               | 10.7               | 99.6               | 7.99               | 52.5               |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <1                 | 1.99               | <1                 | 3.31               | <1                 | 1.52               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 50                 | 98                 | 102                | 89                 | 72                 | 98                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

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\*See report notes

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Test Report ID MAR02798  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <5                 | 44.0               | 46.2               | 137                | 158000             |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <5                 | 10.4               | <5                 | <5                 | 22300              |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <1                 | 8.15               | <1                 | 1.86               | 19300              |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | <5                 | 159                | 37.4               | 89.8               | 31900              |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <5                 | 30.9               | 46.0               | 105                | 113000             |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <1                 | 2.80               | 1.63               | 3.46               | 15200              |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 94                 | 89                 | 81                 | 92                 | 116~               |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | N*                 | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | 0.13               | 0.10               | <0.08              | 0.10               | 0.12               | 0.19               | <0.08              |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 84                 | 107                | 103                | 110                | 80                 | 111                | 86                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | <0.08              | 0.09               | <0.08              | <0.08              | 0.15               | <0.08              | <0.08              |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 102                | 96                 | 95                 | 96                 | 91                 | 90                 | 80                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
\*See report notes



# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02798  
 Issue Version 1  
 Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | 0.10               | 0.14               | 0.35               | <0.08              | 0.37               | 0.73               | <0.08              |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 106                | 83                 | 82                 | 86                 | 81                 | 68                 | 87                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02798  
 Issue Version 1  
 Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | <0.08              | <0.08              | <0.08              | 0.10               | 1.05               |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 139                | 97                 | 85                 | 102                | 97                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries

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\*See report notes

MAR02798

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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <0.1               | <0.1               | <0.1               | 0.10               | <0.1               | <0.1               | <0.1               | 0.13               |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | <0.1               | 0.11               | <0.1               | 0.21               | <0.1               | 0.12               | 0.18               | 0.15               |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 89~                | 80~                | 93~                | 29                 | 81                 | 46                 | 61                 | 71                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
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\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 134                | 115                | 94~                | 126                | 128                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02798  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH108 ES 4.64-4.79m                                       | MAR02798.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH108 ES 7.14-7.64m                                       | MAR02798.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH108 ES 9.50-10.00m                                      | MAR02798.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH207 ES 4.24-4.39m                                       | MAR02798.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 1.88               |
| BH207 ES 5.24-5.74m                                       | MAR02798.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH207 ES 5.74-6.24m                                       | MAR02798.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 111~               | 114~               | 98~                | 107                | 78                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1.0*              |

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwell House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02798  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

## REPORT NOTES

| Method Code     | Sample ID                  | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02798.001-006           | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ICPMSS*         | MAR02798.001-006           | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SUB_01*         | MAR02798.001-006           | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUB_02*         | MAR02798.001-006           | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ASC/SOP/301     | MAR02798.002-004, .006     | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                                |
| ASC/SOP/302     | MAR02798.001-006           | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PCB52, DIELDRIN) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/303/304 | MAR02798.001-002, .004-005 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                                |
| ASC/SOP/303/304 | MAR02798.001-006           | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                                     |
| ASC/SOP/303/304 | MAR02798.001-006           | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                         |
| ASC/SOP/308     | MAR02798.001-006           | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                             |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

MAR02798

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Test Report ID                      MAR02798  
 Issue Version                        1  
 Customer Reference                Marine GI Andersier Port, Inverness

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02799

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: Marine GI Ardersier Port, Inverness

Date Sampled: 01-02-Sep-25

Date Samples Received: 12-Sep-25

Test Report Date: 03-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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Test Report ID           MAR02799  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH109 ES pos 0.68-0.53          | MAR02799.001 | Sediment           | 24.3                   | 75.7         | 0.00          | 80.43             | 19.57         | 2.66             |
| BH109 ES 4.20-4.70              | MAR02799.002 | Sediment           | 26.1                   | 73.9         | 0.00          | 87.64             | 12.36         | 2.64             |
| BH109 ES 9.50-10.00             | MAR02799.003 | Sediment           | 18.2                   | 81.8         | 0.00          | 86.88             | 13.12         | 2.66             |
| BH119 ES neg 5.17-5.67          | MAR02799.004 | Sediment           | 49.2                   | 50.8         | 0.00          | 33.44             | 66.56         | 2.63             |
| BH119 ES neg 5.67-6.17          | MAR02799.005 | Sediment           | 41.9                   | 58.1         | 0.00          | 44.07             | 55.93         | 2.61             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
NAD - No Asbestos Detected

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Test Report ID           MAR02799  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH109 ES pos 0.68-0.53          | MAR02799.001 | Sediment           | NAD      | 0.04    |
| BH109 ES 4.20-4.70              | MAR02799.002 | Sediment           | NAD      | 0.03    |
| BH109 ES 9.50-10.00             | MAR02799.003 | Sediment           | NAD      | 0.09    |
| BH119 ES neg 5.17-5.67          | MAR02799.004 | Sediment           | NAD      | 1.64    |
| BH119 ES neg 5.67-6.17          | MAR02799.005 | Sediment           | NAD      | 0.23    |
| Reference Material (% Recovery) |              |                    | N/A      | 96      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
NAD - No Asbestos Detected

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Test Report ID MAR02799  
 Issue Version 1  
 Customer Reference Marine GI Ardersier Port, Inverness

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH109 ES pos 0.68-0.53                              | MAR02799.001 | Sediment           | 5.2                | 0.08    | 25.1     | 9.4    | 0.03    | 18.1   | 7.1  | 44.6 |
| BH109 ES 4.20-4.70                                  | MAR02799.002 | Sediment           | 2.8                | <0.04   | 16.8     | 7.6    | 0.02    | 10.3   | 4.4  | 30.7 |
| BH109 ES 9.50-10.00                                 | MAR02799.003 | Sediment           | 3.4                | 0.15    | 16.5     | 7.9    | 0.01    | 12.8   | 4.3  | 33.6 |
| BH119 ES neg 5.17-5.67                              | MAR02799.004 | Sediment           | 16.5               | 0.20    | 35.0     | 27.3   | 0.09    | 21.5   | 30.5 | 166  |
| BH119 ES neg 5.67-6.17                              | MAR02799.005 | Sediment           | 10.7               | 0.15    | 29.0     | 22.3   | 0.05    | 17.9   | 18.9 | 131  |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 98                 | 95      | 95       | 87     | 102     | 96     | 99   | 100  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID           MAR02799  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH109 ES pos 0.68-0.53                            | MAR02799.001 | Sediment           | <1                 | <1                |
| BH109 ES 4.20-4.70                                | MAR02799.002 | Sediment           | <5                 | <5                |
| BH109 ES 9.50-10.00                               | MAR02799.003 | Sediment           | <1                 | <1                |
| BH119 ES neg 5.17-5.67                            | MAR02799.004 | Sediment           | 16.4               | 13.5              |
| BH119 ES neg 5.67-6.17                            | MAR02799.005 | Sediment           | 21.4               | 31.0              |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 71                 | 75                |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID           MAR02799  
Issue Version            1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <1                 | 1.57               | 1.99               | 3.97               | 4.01               | 3.00               |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <1                 | <1                 | 1.66               | 3.40               | 3.58               | 3.66               |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <5                 | <5                 | 11.2               | 39.7               | 54.8               | 64.0               |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | 11.8               | <5                 | 9.69               | 51.4               | 79.1               | 84.4               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 44                 | 144                | 84                 | 82                 | 84                 | 88                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
\*See report notes

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Test Report ID MAR02799  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | 2.68               | 2.72               | 3.37               | 1.50               | 4.26               | 1.75               |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | 2.89               | 2.13               | 3.20               | 24.7               | 6.21               | 13.2               |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <1                 | <1                 | <1                 | 1.24               | <1                 | <1                 |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | 45.3               | 49.5               | 51.5               | 21.4               | 28.4               | 25.2               |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | 67.6               | 63.2               | 80.5               | 13.9               | 26.0               | 14.6               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 95                 | 100                | 74                 | 97                 | 69                 | 90                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries

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\*See report notes

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Test Report ID MAR02799  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | 1.48               | 4.40               | <1                 | 11.0               | 1.66               | 2.84               |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | 9.06               | 4.12               | <1                 | 8.70               | <1                 | 2.46               |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | 15.0               | 44.6               | <5                 | 85.1               | <5                 | 47.4               |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | 8.83               | 69.0               | 13.3               | 101                | <5                 | 64.5               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 50                 | 98                 | 102                | 89                 | 72                 | 98                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries

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\*See report notes

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Test Report ID MAR02799  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <1                 | 3.76               | 8.11               | 10.5               | 5970               |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | 11.3               | 11.2               | 7.62               | 8.86               | 9050               |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <1                 | 31.3               | <1                 | <1                 | 6640               |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <5                 | 129                | 34.5               | 82.9               | 111000             |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <5                 | 59.4               | 47.8               | 124                | 112000             |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 94                 | 89                 | 81                 | 92                 | 116~               |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

For full analyte name see method summaries

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\*See report notes

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Test Report ID MAR02799  
 Issue Version 1  
 Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | 0.10               | <0.08              | <0.08              | <0.08              | 0.14               | 0.18               | <0.08              |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 84                 | 107                | 103                | 107                | 80                 | 95                 | 86                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

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Test Report ID MAR02799  
 Issue Version 1  
 Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | 0.09               | <0.08              | <0.08              |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 102                | 96                 | 95                 | 96                 | 91                 | 90                 | 80                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02799  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <0.08              | <0.08              | 0.14               | <0.08              | 0.11               | <0.08              | <0.08              |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 87                 | 83                 | 82                 | 86                 | 81                 | 68                 | 87                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries

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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02799  
Issue Version 1  
Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | 0.74               |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 139                | 97                 | 85                 | 102                | 97                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries

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Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02799  
 Issue Version 1  
 Customer Reference Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | 0.23               | <0.1               | 0.17               |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 89~                | 80~                | 93~                | 29                 | 81                 | 46                 | 61                 | 71                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02799  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <0.05              | <0.05              | 0.05               | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 134                | 115                | 94~                | 126                | 128                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

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Test Report ID           MAR02799  
Issue Version             1  
Customer Reference       Marine GI Ardersier Port, Inverness

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH109 ES pos 0.68-0.53                                    | MAR02799.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH109 ES 4.20-4.70                                        | MAR02799.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH109 ES 9.50-10.00                                       | MAR02799.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1                 |
| BH119 ES neg 5.17-5.67                                    | MAR02799.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 5.71               |
| BH119 ES neg 5.67-6.17                                    | MAR02799.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 3.50               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 98~                | 111~               | 114~               | 98~                | 107                | 78                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <1.0*              |

\* See Report Notes

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Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02799  
Issue Version 1  
Customer Reference Marine GI Andersier Port, Inverness

## REPORT NOTES

| Method Code     | Sample ID       | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR2799.001-005 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ICPMSS*         | MAR2799.001-005 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SUB_01*         | MAR2799.001-005 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SUB_02*         | MAR2799.001-005 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ASC/SOP/301     | MAR2799.002     | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                         |
| ASC/SOP/302     | MAR2799.001-005 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (DIELDRIN) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/303/304 | MAR2799.004-005 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                         |
| ASC/SOP/303/304 | MAR2799.001-005 | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                              |
| ASC/SOP/303/304 | MAR2799.001-005 | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                  |
| ASC/SOP/308     | MAR2799.001-005 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                      |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID                      MAR02799  
 Issue Version                        1  
 Customer Reference                Marine GI Andersier Port, Inverness

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02813

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 10-Sep-25

Date Samples Received: 18-Sep-25

Test Report Date: 13-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02813  
 Issue Version 1  
 Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-206 neg 1.20-1.35m           | MAR02813.001 | Sediment           | 22.8                   | 77.2         | 0.00          | 77.14             | 22.86         | 2.63             |
| BH-206 neg 3.50-4.00m           | MAR02813.002 | Sediment           | 17.5                   | 82.5         | 1.28          | 93.24             | 5.48          | 2.64             |
| BH-206 neg 5.50-6.00m           | MAR02813.003 | Sediment           | 13.6                   | 86.4         | 0.00          | 92.48             | 7.52          | 2.64             |
| BH-302 pos 3.92-3.42m           | MAR02813.004 | Sediment           | 1.59                   | 98.4         | 2.99          | 93.16             | 3.85          | 2.65             |
| BH-302 neg 4.08m to -4.58m      | MAR02813.005 | Sediment           | 14.2                   | 85.8         | 0.00          | 90.51             | 9.49          | 2.64             |
| BH-302 neg 12.08-12.58m         | MAR02813.006 | Sediment           | 12.3                   | 87.7         | 0.00          | 82.50             | 17.50         | 2.64             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02813  
 Issue Version 1  
 Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-206 neg 1.20-1.35m           | MAR02813.001 | Sediment           | NAD      | 0.11    |
| BH-206 neg 3.50-4.00m           | MAR02813.002 | Sediment           | NAD      | 0.07    |
| BH-206 neg 5.50-6.00m           | MAR02813.003 | Sediment           | NAD      | 0.05    |
| BH-302 pos 3.92-3.42m           | MAR02813.004 | Sediment           | NAD      | 0.06    |
| BH-302 neg 4.08m to -4.58m      | MAR02813.005 | Sediment           | NAD      | 0.03    |
| BH-302 neg 12.08-12.58m         | MAR02813.006 | Sediment           | NAD      | 0.05    |
| Reference Material (% Recovery) |              |                    | N/A      | 102     |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected

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 Issue Version 1  
 Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-206 neg 1.20-1.35m                               | MAR02813.001 | Sediment           | 5.1                | 0.07    | 15.4     | 14.3   | 0.02    | 11.0   | 12.0 | 66.3 |
| BH-206 neg 3.50-4.00m                               | MAR02813.002 | Sediment           | 2.7                | <0.04   | 12.3     | 6.6    | <0.01   | 8.1    | 4.6  | 18.2 |
| BH-206 neg 5.50-6.00m                               | MAR02813.003 | Sediment           | 2.3                | 0.05    | 14.4     | 5.3    | 0.05    | 7.8    | 4.0  | 18.8 |
| BH-302 pos 3.92-3.42m                               | MAR02813.004 | Sediment           | 2.1                | 0.09    | 12.3     | 13.4   | 0.03    | 9.1    | 7.2  | 75.5 |
| BH-302 neg 4.08m to -4.58m                          | MAR02813.005 | Sediment           | 2.1                | 0.05    | 12.5     | 4.4    | 0.01    | 7.7    | 3.1  | 43.7 |
| BH-302 neg 12.08-12.58m                             | MAR02813.006 | Sediment           | 1.4                | <0.04   | 14.4     | 5.0    | 0.03    | 6.2    | 2.6  | 16.9 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 103                | 94      | 93       | 86     | 111     | 91     | 108  | 100  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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 Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-206 neg 1.20-1.35m                             | MAR02813.001 | Sediment           | 2.04               | <1                |
| BH-206 neg 3.50-4.00m                             | MAR02813.002 | Sediment           | <1                 | <1                |
| BH-206 neg 5.50-6.00m                             | MAR02813.003 | Sediment           | <1                 | <1                |
| BH-302 pos 3.92-3.42m                             | MAR02813.004 | Sediment           | <1                 | <1                |
| BH-302 neg 4.08m to -4.58m                        | MAR02813.005 | Sediment           | <1                 | <1                |
| BH-302 neg 12.08-12.58m                           | MAR02813.006 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 101                | 96                |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <5                 | <5                 | <5                 | 9.81               | 16.1               | 16.9               |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <1                 | <1                 | <1                 | 3.16               | 4.50               | 3.79               |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 44                 | 119                | 86                 | 88                 | 89                 | 86                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
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 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

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Issue Version 1  
Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | 14.3               | 13.8               | 17.4               | 7.49               | 15.9               | 10.7               |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | 3.65               | 3.73               | 3.92               | <1                 | 1.25               | <1                 |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 99                 | 100                | 79                 | 103                | 73                 | 94                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <5                 | 24.8               | <5                 | 19.9               | <5                 | 14.4               |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <1                 | 3.89               | <1                 | 6.58               | <1                 | 3.48               |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 44                 | 104                | 91                 | 99                 | 74                 | 95                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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 \*See report notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | N*                 | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <5                 | 12.9               | 10.5               | 26.9               | 59500              |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | 2970               |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | 2430               |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <1                 | 2.77               | 2.56               | 6.21               | 7400               |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | 8530               |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | 2640               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 101                | 103                | 89                 | 97                 | 86~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | 0.13               | 0.13               | 0.14               | 0.18               | 0.18               | 0.17               | <0.08              |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 81                 | 109                | 99                 | 95                 | 85                 | 83                 | 77                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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Test Report ID           MAR02813  
Issue Version             1  
Customer Reference       162855-6a & 6b Ardersier, Inverness - Marine Scotlanc

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | 0.28               | 0.17               | 0.21               | <0.08              | 0.21               | 0.26               | 0.17               |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 82                 | 95                 | 106                | 80                 | 98                 | 77                 | 65                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | N*                 | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | 0.17               | 0.21               | 0.18               | 0.24               | 0.18               | 0.18               | 0.12               |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 98                 | 76                 | 79                 | 79                 | 87                 | 64                 | 83                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02813  
 Issue Version 1  
 Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.7                |
|                                                           |              | Accreditation      | UKAS               | N*                 | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | 0.12               | 0.13               | 0.12               | 0.19               | 1.12               |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 121                | 233                | 85                 | 87                 | 90                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02813  
 Issue Version 1  
 Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | N*                 | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | <0.1               | 0.19               | 0.11               | 0.23               | <0.1               | 0.20               | 0.40               | 0.20               |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 98~                | 86~                | 99~                | 130                | 85                 | 91                 | 40                 | 59                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02813  
 Issue Version            1  
 Customer Reference       162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 122~               | 122                | 118                | 106~               | 158                | 154                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes



# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02813  
Issue Version             1  
Customer Reference       162855-6a & 6b Ardersier, Inverness - Marine Scotland Analy:

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-206 neg 1.20-1.35m                                     | MAR02813.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.4               |
| BH-206 neg 3.50-4.00m                                     | MAR02813.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.4               |
| BH-206 neg 5.50-6.00m                                     | MAR02813.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.4               |
| BH-302 pos 3.92-3.42m                                     | MAR02813.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.4               |
| BH-302 neg 4.08m to -4.58m                                | MAR02813.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.4               |
| BH-302 neg 12.08-12.58m                                   | MAR02813.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.4               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 112~               | 117~               | 155                | 111~               | 141                | 78                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.4*              |

\* See Report Notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwell House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02813

Issue Version 1

Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code     | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02813.001-006 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ICPMSS*         | MAR02813.001-006 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SUB_01*         | MAR02813.001-006 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SUB_02*         | MAR02813.001-006 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ASC/SOP/3024    | MAR02813.001-006 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PCB118, PCB158, PCB47, DDT) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/303/304 | MAR02813.001     | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ASC/SOP/303/304 | MAR02813.001-006 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PHENANT) . These circumstances should be taken into consideration when utilising the data.                    |
| ASC/SOP/303/304 | MAR02813.001-006 | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                                                |
| ASC/SOP/303/304 | MAR02813.001-006 | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                                    |
| ASC/SOP/308     | MAR02813.001-006 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                                        |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

MAR02813

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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02813  
 Issue Version 1  
 Customer Reference 162855-6a & 6b Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

MAR02813

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02819

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 11-13-Sep-25

Date Samples Received: 23-Sep-25

Test Report Date: 14-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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MAR02819  
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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_03*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-301 pos 4.42- 3.92m          | MAR02819.001 | Sediment           | 0.80                   | 99.2         | 1.20          | 96.36             | 2.44          | 2.64             |
| BH-301 neg 3.58-4.08m           | MAR02819.002 | Sediment           | 16.8                   | 83.2         | 0.00          | 95.52             | 4.48          | 2.64             |
| BH-301 neg 11.58-12.08m         | MAR02819.003 | Sediment           | 13.5                   | 86.5         | 0.00          | 81.09             | 18.91         | 2.66             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-301 pos 4.42- 3.92m          | MAR02819.001 | Sediment           | NAD      | 0.05    |
| BH-301 neg 3.58-4.08m           | MAR02819.002 | Sediment           | NAD      | <0.02   |
| BH-301 neg 11.58-12.08m         | MAR02819.003 | Sediment           | NAD      | 0.09    |
| Reference Material (% Recovery) |              |                    | N/A      | 96      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-301 pos 4.42- 3.92m                              | MAR02819.001 | Sediment           | 2.1                | <0.04   | 10.7     | 8.7    | 0.01    | 9.0    | 5.3  | 48.2 |
| BH-301 neg 3.58-4.08m                               | MAR02819.002 | Sediment           | 0.8                | <0.04   | 3.1      | 1.8    | <0.01   | 1.8    | 1.1  | 9.3  |
| BH-301 neg 11.58-12.08m                             | MAR02819.003 | Sediment           | 1.6                | 0.09    | 12       | 3.9    | <0.01   | 9.4    | 2.4  | 17.9 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 102                | 97      | 95       | 87     | 94      | 93     | 99   | 95   |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

MAR02819

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-301 pos 4.42- 3.92m                            | MAR02819.001 | Sediment           | <1                 | <1                |
| BH-301 neg 3.58-4.08m                             | MAR02819.002 | Sediment           | <1                 | <1                |
| BH-301 neg 11.58-12.08m                           | MAR02819.003 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 91                 | 100               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1.14               | 1.39               |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 40                 | 132                | 88                 | 87                 | 87                 | 95                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | 1.11               | 1.24               | 1.16               | <1                 | <1                 | <1                 |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <1                 | <1                 | <1                 | 2.95               | <1                 | 2.76               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 94                 | 104                | 84                 | 104                | 75                 | 96                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <1                 | 1.37               | <1                 | 1.91               | <1                 | 1.11               |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | 2.27               | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 47                 | 104                | 102                | 93                 | 72                 | 104                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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 \*See report notes

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Test Report ID MAR02819  
Issue Version 1  
Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <1                 | 1.08               | <1                 | 1.87               | 5660               |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | 5590               |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <1                 | 38.8               | <1                 | 1.19               | 6890               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 105                | 97                 | 82                 | 96                 | 90~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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\*See report notes

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 81                 | 119                | 94                 | 96                 | 94                 | 92                 | 75                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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Test Report ID           MAR02819  
 Issue Version            1  
 Customer Reference       162855-7a & 7b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 111                | 87                 | 90                 | 87                 | 82                 | 90                 | 91                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 103                | 78                 | 84                 | 94                 | 92                 | 63                 | 96                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 121                | 116                | 89                 | 99                 | 95                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 93~                | 80~                | 104~               | 92                 | 84                 | 86                 | 68                 | 87                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

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Test Report ID MAR02819  
 Issue Version 1  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | N*                 | N*                 |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <0.05              | <0.05              | 0.05               | <0.05              | 0.05               | 0.06               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 137~               | 115                | 114                | 115~               | 151                | 170                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analy:

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | N*                 | UKAS               | N*                 | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-301 pos 4.42- 3.92m                                    | MAR02819.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-301 neg 3.58-4.08m                                     | MAR02819.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-301 neg 11.58-12.08m                                   | MAR02819.003 | Sediment           | <0.05              | <0.05              | 0.06               | <0.05              | 0.06               | <3                 |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 136~               | 137~               | 136~               | 125~               | 187                | 79                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3.0*              |

\* See Report Notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02819

Issue Version 1

Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code     | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02819.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ICPMSS*         | MAR02819.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SUB_01*         | MAR02819.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SUB_02*         | MAR02819.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ASC/SOP/303/304 | MAR02819.001     | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                                                   |
| ASC/SOP/303/304 | MAR02819.001     | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                                       |
| ASC/SOP/308     | MAR02819.001-003 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (BDE99 ,BDE100 ,BDE153, BDE183) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/308     | MAR02819.001-003 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                                           |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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Test Report ID MAR02819  
 Issue Version 1  
 Customer Reference 162855-7a & 7b Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02820

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-8 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 15-16-Sep-25

Date Samples Received: 23-Sep-25

Test Report Date: 16-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-107 pos 0.62-0.47m           | MAR02820.001 | Sediment           | 22.3                   | 77.7         | 0.00          | 84.82             | 15.18         | 2.65             |
| BH-107 neg 2.00-2.50m           | MAR02820.002 | Sediment           | 18.7                   | 81.3         | 0.00          | 88.06             | 11.94         | 2.64             |
| BH-107 neg 4.60-5.10m           | MAR02820.003 | Sediment           | 18.0                   | 82.0         | 0.00          | 87.34             | 12.66         | 2.65             |
| BH-106 pos 1.09-0.94m           | MAR02820.004 | Sediment           | 17.7                   | 82.3         | 0.00          | 74.01             | 25.99         | 2.64             |
| BH-106 neg 2.00-2.50m           | MAR02820.005 | Sediment           | 19.1                   | 80.9         | 0.00          | 88.12             | 11.88         | 2.64             |
| BH-106 neg 5.20-5.70m           | MAR02820.006 | Sediment           | 13.5                   | 86.5         | 0.00          | 66.30             | 33.70         | 2.64             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analy

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-107 pos 0.62-0.47m           | MAR02820.001 | Sediment           | NAD      | 0.08    |
| BH-107 neg 2.00-2.50m           | MAR02820.002 | Sediment           | NAD      | 0.03    |
| BH-107 neg 4.60-5.10m           | MAR02820.003 | Sediment           | NAD      | 0.04    |
| BH-106 pos 1.09-0.94m           | MAR02820.004 | Sediment           | NAD      | 0.10    |
| BH-106 neg 2.00-2.50m           | MAR02820.005 | Sediment           | NAD      | 0.04    |
| BH-106 neg 5.20-5.70m           | MAR02820.006 | Sediment           | NAD      | 0.04    |
| Reference Material (% Recovery) |              |                    | N/A      | 96      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes

NAD - No Asbestos Detected

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Test Report ID           MAR02820  
Issue Version            1  
Customer Reference       162855-8 Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-107 pos 0.62-0.47m                               | MAR02820.001 | Sediment           | 0.8                | <0.04   | 5.5      | 2.0    | <0.01   | 2.8    | 1.7  | 14.9 |
| BH-107 neg 2.00-2.50m                               | MAR02820.002 | Sediment           | 0.8                | <0.04   | 4.7      | 2.1    | <0.01   | 2.7    | 1.3  | 8.5  |
| BH-107 neg 4.60-5.10m                               | MAR02820.003 | Sediment           | 1.1                | <0.04   | 4.3      | 1.7    | <0.01   | 3.0    | 1.0  | 9.7  |
| BH-106 pos 1.09-0.94m                               | MAR02820.004 | Sediment           | 1.5                | <0.04   | 5.3      | 4.2    | <0.01   | 3.4    | 2.6  | 25.4 |
| BH-106 neg 2.00-2.50m                               | MAR02820.005 | Sediment           | 0.7                | <0.04   | 4.1      | 2.0    | <0.01   | 2.5    | 1.2  | 11.9 |
| BH-106 neg 5.20-5.70m                               | MAR02820.006 | Sediment           | 1.5                | <0.04   | 3.9      | 1.1    | <0.01   | 2.0    | 1.0  | 10.0 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 102                | 97      | 95       | 87     | 94      | 93     | 99   | 95   |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-107 pos 0.62-0.47m                             | MAR02820.001 | Sediment           | <1                 | <1                |
| BH-107 neg 2.00-2.50m                             | MAR02820.002 | Sediment           | <1                 | <1                |
| BH-107 neg 4.60-5.10m                             | MAR02820.003 | Sediment           | <1                 | <1                |
| BH-106 pos 1.09-0.94m                             | MAR02820.004 | Sediment           | <1                 | <1                |
| BH-106 neg 2.00-2.50m                             | MAR02820.005 | Sediment           | <1                 | <1                |
| BH-106 neg 5.20-5.70m                             | MAR02820.006 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 91                 | 91                |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 1.29               | <1                 | 3.83               | 4.54               | 4.19               | 4.04               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <1                 | <1                 | 10.8               | 7.18               | 5.86               | 5.21               |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1.23               | 1.26               |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 40                 | 132                | 88                 | 87                 | 87                 | 95                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

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Test Report ID MAR02820  
Issue Version 1  
Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 3.26               | 2.01               | 3.87               | 3.34               | 4.32               | 2.21               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | 4.43               | 3.04               | 5.85               | 1.65               | 7.20               | 2.61               |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | 1.34               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 104                | 94                 | 84                 | 104                | 75                 | 96                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
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\*See report notes

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Test Report ID MAR02820  
Issue Version 1  
Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 1.91               | 5.97               | <1                 | 14.3               | 1.45               | 2.42               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | 4.23               | 25.8               | <1                 | 22.2               | 2.49               | 3.55               |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <1                 | 1.26               | <1                 | 2.30               | <1                 | <1                 |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <1                 | <1                 | <1                 | 2.07               | <1                 | <1                 |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 47                 | 104                | 102                | 93                 | 72                 | 104                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries

~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.

As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.

\*See report notes

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Test Report ID MAR02820  
Issue Version 1  
Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 1.59               | 2.79               | 7.56               | 11.8               | 9990               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <1                 | 3.15               | 12.5               | 16.6               | 68700              |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | 17500              |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <1                 | 4.26               | 1.29               | 2.57               | 19300              |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <1                 | <1                 | 1.28               | 2.17               | 12200              |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <1                 | 1.30               | <1                 | <1                 | 3650               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 105                | 97                 | 82                 | 96                 | 90~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
\*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 0.40               | 0.44               | 0.48               | 0.40               | 0.58               | 0.48               | 0.24               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 81                 | 119                | 94                 | 96                 | 94                 | 92                 | 75                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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# Certificate of Analysis



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Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 0.50               | 0.48               | 0.56               | 0.53               | 0.50               | 0.46               | 0.47               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 111                | 87                 | 90                 | 87                 | 82                 | 90                 | 91                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02820  
Issue Version             1  
Customer Reference       162855-8 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 0.42               | 0.42               | 0.47               | 0.50               | 0.56               | 0.41               | 0.37               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 103                | 78                 | 84                 | 94                 | 92                 | 63                 | 96                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analy

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 0.56               | 0.42               | 0.45               | 0.56               | 3.27               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 121                | 116                | 89                 | 99                 | 95~                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

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# Certificate of Analysis



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Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | 0.19               | 0.54               | 0.43               | 0.59               | 0.29               | 0.62               | 0.99               | 0.61               |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 93~                | 80~                | 104~               | 92                 | 84                 | 86                 | 68                 | 87                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | N*                 |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <0.05              | <0.05              | 0.05               | <0.05              | <0.05              | 0.05               |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 137~               | 115                | 114                | 115~               | 151                | 170                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

MAR02820

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Test Report ID MAR02820  
 Issue Version 1  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-107 pos 0.62-0.47m                                     | MAR02820.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-107 neg 2.00-2.50m                                     | MAR02820.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-107 neg 4.60-5.10m                                     | MAR02820.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-106 pos 1.09-0.94m                                     | MAR02820.004 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-106 neg 2.00-2.50m                                     | MAR02820.005 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-106 neg 5.20-5.70m                                     | MAR02820.006 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 136~               | 137~               | 136~               | 125~               | 187                | 79                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3.0*              |

\* See Report Notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwell House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02820

Issue Version 1

Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code     | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02820.001-006 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ICPMSS*         | MAR02820.001-006 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SUB_01*         | MAR02820.001-006 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SUB_02*         | MAR02820.001-006 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ASC/SOP/301     | MAR02820.001-006 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                                                                                                     |
| ASC/SOP/303/304 | MAR02820.001-006 | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                          |
| ASC/SOP/303/304 | MAR02820.001-006 | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                              |
| ASC/SOP/308     | MAR02820.001-006 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (BDE99). These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/308     | MAR02820.001-006 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                  |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

MAR02820

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Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02820  
 Issue Version 1  
 Customer Reference 162855-8 Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



**Test Report ID MAR02821**

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 15-17-Sep-25

Date Samples Received: 23-Sep-25

Test Report Date: 14-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_03*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-303 4.20-4.05m               | MAR02821.001 | Sediment           | 14.0                   | 86.0         | 0.00          | 92.05             | 7.95          | 2.63             |
| BH-303 neg 4.00-4.50m           | MAR02821.002 | Sediment           | 18.3                   | 81.7         | 2.56          | 95.24             | 2.20          | 2.63             |
| BH-303 neg 12.00-12.50m         | MAR02821.003 | Sediment           | 19.7                   | 80.3         | 0.00          | 85.52             | 14.48         | 2.65             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02821  
Issue Version 1  
Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-303 4.20-4.05m               | MAR02821.001 | Sediment           | NAD      | <0.02   |
| BH-303 neg 4.00-4.50m           | MAR02821.002 | Sediment           | NAD      | 0.03    |
| BH-303 neg 12.00-12.50m         | MAR02821.003 | Sediment           | NAD      | 0.10    |
| Reference Material (% Recovery) |              |                    | N/A      | 99      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
NAD - No Asbestos Detected

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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-303 4.20-4.05m                                   | MAR02821.001 | Sediment           | 1.1                | <0.04   | 8.7      | 1.2    | <0.01   | 1.9    | 0.9  | 7.7  |
| BH-303 neg 4.00-4.50m                               | MAR02821.002 | Sediment           | 1.4                | 0.07    | 4.6      | 1.8    | <0.01   | 2.8    | 1.4  | 18.1 |
| BH-303 neg 12.00-12.50m                             | MAR02821.003 | Sediment           | 1.3                | 0.13    | 12.4     | 3.5    | 0.02    | 5.5    | 3.3  | 16.0 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 102                | 97      | 95       | 87     | 94      | 93     | 99   | 95   |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-303 4.20-4.05m                                 | MAR02821.001 | Sediment           | <1                 | <1                |
| BH-303 neg 4.00-4.50m                             | MAR02821.002 | Sediment           | <1                 | <1                |
| BH-303 neg 12.00-12.50m                           | MAR02821.003 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 91                 | 100               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 40                 | 132                | 88                 | 87                 | 87                 | 95                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

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Test Report ID MAR02821  
Issue Version 1  
Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 104                | 94                 | 84                 | 104                | 75                 | 96                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 47                 | 104                | 102                | 93                 | 72                 | 104                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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 \*See report notes

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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1790               |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | 2390               |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <1                 | 8.81               | <1                 | <1                 | 3990               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 105                | 97                 | 82                 | 96                 | 90~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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 \*See report notes



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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 88                 | 115                | 92                 | 107                | 89                 | 83                 | 95                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes

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Test Report ID           MAR02821  
Issue Version             1  
Customer Reference       162855-9a & 9b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 85                 | 94                 | 88                 | 83                 | 83                 | 79                 | 87                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
\*See report notes

# Certificate of Analysis



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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 137                | 75                 | 82                 | 88                 | 92                 | 62                 | 96                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 104                | 123                | 90                 | 102                | 94                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | N*                 | UKAS               | N*                 |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 90~                | 85~                | 101~               | 57                 | 83                 | 66                 | 69                 | 70                 |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Test Report ID           MAR02821  
 Issue Version            1  
 Customer Reference       162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | N*                 |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <0.05              | <0.05              | 0.05               | <0.05              | <0.05              | 0.06               |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 137~               | 115                | 114                | 115~               | 151                | 170                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analy:

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-303 4.20-4.05m                                         | MAR02821.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-303 neg 4.00-4.50m                                     | MAR02821.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3                 |
| BH-303 neg 12.00-12.50m                                   | MAR02821.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 3.74               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 136~               | 137~               | 136~               | 125~               | 187                | 79                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <3.0*              |

\* See Report Notes

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Test Report ID MAR02821  
Issue Version 1  
Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*     | MAR02821.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ICPMSS*     | MAR02821.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUB_01*     | MAR02821.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SUB_02*     | MAR02821.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ASC/SOP/302 | MAR02821.001-003 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PCB118, DDD, DDE) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/308 | MAR02821.001-003 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (BDE99) . These circumstances should be taken into consideration when utilising the data.            |
| ASC/SOP/308 | MAR02821.001-003 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                              |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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Test Report ID MAR02821  
 Issue Version 1  
 Customer Reference 162855-9a & 9b Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02838

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 19-23-Sep-25

Date Samples Received: 02-Oct-25

Test Report Date: 29-Oct-25

Condition of samples: Ambient      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-304 pos 4.20-4.05m           | MAR02838.001 | Sediment           | 2.99                   | 97.0         | 0.07          | 96.60             | 3.34          | 2.64             |
| BH-304 neg 3.80-4.30m           | MAR02838.002 | Sediment           | 20.7                   | 79.3         | 0.99          | 96.94             | 2.08          | 2.64             |
| BH-304 neg 11.80-12.30m         | MAR02838.003 | Sediment           | 19.6                   | 80.4         | 0.56          | 83.72             | 15.71         | 2.65             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-304 pos 4.20-4.05m           | MAR02838.001 | Sediment           | NAD      | 0.03    |
| BH-304 neg 3.80-4.30m           | MAR02838.002 | Sediment           | NAD      | 0.03    |
| BH-304 neg 11.80-12.30m         | MAR02838.003 | Sediment           | NAD      | 0.28    |
| Reference Material (% Recovery) |              |                    | N/A      | 99      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-304 pos 4.20-4.05m                               | MAR02838.001 | Sediment           | 0.9                | <0.04   | 3.2      | 1.4    | <0.01   | 2.0    | 0.9  | 4.6  |
| BH-304 neg 3.80-4.30m                               | MAR02838.002 | Sediment           | 1.0                | <0.04   | 3.3      | 1.5    | <0.01   | 2.1    | 1.0  | 4.7  |
| BH-304 neg 11.80-12.30m                             | MAR02838.003 | Sediment           | 3.9                | 0.10    | 9.0      | 4.3    | <0.01   | 6.3    | 2.8  | 19.0 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 106                | 104     | 113      | 108    | 105     | 104    | 107  | 106  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-304 pos 4.20-4.05m                             | MAR02838.001 | Sediment           | <1                 | <1                |
| BH-304 neg 3.80-4.30m                             | MAR02838.002 | Sediment           | <1                 | <1                |
| BH-304 neg 11.80-12.30m                           | MAR02838.003 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 112                | 120               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 41                 | 144                | 90                 | 76                 | 77                 | 79                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotla

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <1                 | <1                 | <1                 | 1.32               | <1                 | <1                 |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <1                 | 1.93               | <1                 | 1.90               | 1.35               | 2.29               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 89                 | 79                 | 80                 | 104                | 70                 | 92                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
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 \*See report notes

MAR02838

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotla

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | 2.37               | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 47                 | 91                 | 73                 | 83                 | 70                 | 78                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotla

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | 2980               |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | 7560               |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | 2.19               | 83.3               | <1                 | 2.65               | 12500              |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 104                | 88                 | 78                 | 84                 | 98~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

For full analyte name see method summaries  
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 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

# Certificate of Analysis



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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 80                 | 107                | 110                | 95                 | 97                 | 102                | 84                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotla

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 95                 | 96                 | 112                | 123                | 90                 | 101                | 103                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes



**SOCOTEC**

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Test Report ID     | MAR02838                                                |
| Issue Version      | 1                                                       |
| Customer Reference | 162855-10a & 10b Ardersier, Inverness - Marine Scotland |

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotla

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 93                 | 89                 | 83                 | 95                 | 100                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
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 \*See report notes

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <0.1               | <0.1               | <0.1               | 0.11               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 104~               | 77~                | 88~                | 122                | 86                 | 86                 | 63                 | 106                |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Test Report ID           MAR02838  
 Issue Version            1  
 Customer Reference       162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 100~               | 119                | 143                | 110~               | 149                | 256                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes



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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Area

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | N*                 | UKAS               | N*                 | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-304 pos 4.20-4.05m                                     | MAR02838.001 | Sediment           | <0.05              | <0.05              | 0.24               | <0.05              | 0.07               | 21.8               |
| BH-304 neg 3.80-4.30m                                     | MAR02838.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 9.19               |
| BH-304 neg 11.80-12.30m                                   | MAR02838.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 5.14               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 115~               | 106~               | 106~               | 107~               | 186                | 105                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.3               |

\* See Report Notes

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Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*     | MAR02838.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ICPMSS*     | MAR02838.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUB_01*     | MAR02838.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SUB_02*     | MAR02838.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ASC/SOP/308 | MAR02838.001-003 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PBDE153, PBDE183) . These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/308 | MAR02838.001-003 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                              |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02838  
 Issue Version 1  
 Customer Reference 162855-10a & 10b Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                  |
|-------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content). Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                     |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                                |
| Metals                              | Air dried and sieved to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                 |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                               |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                     |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                    |
| Polychlorinated Biphenyls (PCBs)    | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                  |
| Organochlorine Pesticides (OCPs)    | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                  |
| Brominated Flame Retardants (PBDEs) | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                  |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

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### Test Report ID MAR02839

Issue Version: 2

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-11 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 23-Sep-25

Date Samples Received: 02-Oct-25

Test Report Date: 24-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-110 pos 1.37-1.22m           | MAR02839.001 | Sediment           | 19.6                   | 80.4         | 0.00          | 83.66             | 16.34         | 2.65             |
| BH-110 neg 4.13-4.28m           | MAR02839.002 | Sediment           | 17.7                   | 82.3         | 0.00          | 94.10             | 5.90          | 2.65             |
| BH-110 neg 9.50-10.00m          | MAR02839.003 | Sediment           | 19.3                   | 80.7         | 1.54          | 86.93             | 11.54         | 2.65             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Anal

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-110 pos 1.37-1.22m           | MAR02839.001 | Sediment           | NAD      | 0.03    |
| BH-110 neg 4.13-4.28m           | MAR02839.002 | Sediment           | NAD      | 0.07    |
| BH-110 neg 9.50-10.00m          | MAR02839.003 | Sediment           | NAD      | 0.03    |
| Reference Material (% Recovery) |              |                    | N/A      | 93      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-110 pos 1.37-1.22m                               | MAR02839.001 | Sediment           | 1.9                | <0.04   | 5.6      | 5.0    | 0.01    | 3.4    | 2.7  | 16.4 |
| BH-110 neg 4.13-4.28m                               | MAR02839.002 | Sediment           | 1.1                | <0.04   | 4.0      | 2.1    | <0.01   | 2.5    | 1.5  | 8.4  |
| BH-110 neg 9.50-10.00m                              | MAR02839.003 | Sediment           | 3.1                | <0.04   | 5.8      | 1.8    | <0.01   | 3.5    | 1.4  | 10.1 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 106                | 104     | 113      | 108    | 104     | 104    | 107  | 106  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-110 pos 1.37-1.22m                             | MAR02839.001 | Sediment           | <1                 | <1                |
| BH-110 neg 4.13-4.28m                             | MAR02839.002 | Sediment           | <1                 | <1                |
| BH-110 neg 9.50-10.00m                            | MAR02839.003 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 105                | 112               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <1                 | <1                 | <1                 | 2.34               | 2.49               | 2.28               |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <1                 | 2.19               | 3.97               | 9.47               | 9.53               | 8.81               |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 38                 | 137                | 105                | 92                 | 87                 | 85                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
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 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

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Test Report ID MAR02839  
Issue Version 2  
Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | 1.86               | 1.37               | 2.54               | 1.49               | 3.14               | 1.65               |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | 6.49               | 3.99               | 7.88               | 10.4               | 9.38               | 6.50               |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 98                 | 79                 | 84                 | 104                | 72                 | 97                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <1                 | 2.69               | <1                 | 6.10               | <1                 | 1.42               |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | 5.52               | 10.1               | <1                 | 19.8               | 1.85               | 4.49               |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 51                 | 105                | 80                 | 101                | 77                 | 81                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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 \*See report notes

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <1                 | 4.80               | 4.17               | 6.25               | 7420               |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | 5.37               | 12.8               | 9.44               | 19.8               | 6920               |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <1                 | 2.55               | <1                 | <1                 | 2620               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 106                | 86                 | 88                 | 102                | 117~               |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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 \*See report notes

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 80                 | 107                | 110                | 95                 | 97                 | 102                | 84                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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 \*See report notes

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Test Report ID           MAR02839  
 Issue Version            2  
 Customer Reference       162855-11 Ardersier, Inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 95                 | 96                 | 112                | 123                | 90                 | 101                | 103                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 76                 | 86                 | 107                | 114                | 107                | 90                 | 83                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Test Report ID MAR02839  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 93                 | 89                 | 83                 | 95                 | 100                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes



# Certificate of Analysis



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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | 0.34               | <0.1               |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 104~               | 77~                | 88~                | 122                | 86                 | 86                 | 63                 | 106                |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

# Certificate of Analysis



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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | N*                 |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <0.05              | <0.05              | 0.05               | <0.05              | <0.05              | 0.08               |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 100~               | 119                | 143                | 110~               | 149                | 256                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | N*                 | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-110 pos 1.37-1.22m                                     | MAR02839.001 | Sediment           | <0.05              | <0.05              | 0.05               | <0.05              | <0.05              | 8.98               |
| BH-110 neg 4.13-4.28m                                     | MAR02839.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 5.55               |
| BH-110 neg 9.50-10.00m                                    | MAR02839.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 2.50               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 115~               | 106~               | 106~               | 107~               | 186                | 105                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.3*              |

\* See Report Notes

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Test Report ID MAR02839

Issue Version 2

Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code     | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02839.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ICPMSS*         | MAR02839.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SUB_01*         | MAR02839.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SUB_02*         | MAR02839.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ASC/SOP/303/304 | MAR02839.001-003 | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                                    |
| ASC/SOP/303/304 | MAR02839.001-003 | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                                        |
| ASC/SOP/308     | MAR02839.001-003 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PBDE99, PBDE153). These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/308     | MAR02839.001-003 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                            |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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# Certificate of Analysis



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Test Report ID MAR02839  
 Issue Version 2  
 Customer Reference 162855-11 Ardersier, Inverness - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02840

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-12 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 23-Sep-25

Date Samples Received: 02-Oct-25

Test Report Date: 23-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02840  
 Issue Version            1  
 Customer Reference       162855-12 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-111 neg 2.46-2.61m           | MAR02840.001 | Sediment           | 30.3                   | 69.7         | 0.00          | 81.68             | 18.32         | 2.66             |
| BH-111 neg 5.46-5.61m           | MAR02840.002 | Sediment           | 22.3                   | 77.7         | 0.00          | 94.19             | 5.81          | 2.64             |
| BH-111 neg 9.50-10.00m          | MAR02840.003 | Sediment           | 22.7                   | 77.3         | 0.00          | 84.31             | 15.69         | 2.64             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

# Certificate of Analysis



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Test Report ID MAR02840  
 Issue Version 1  
 Customer Reference 162855-12 Ardersier, Inverness - Marine Scotland Anal

|                                 |              | Units              | N/A      | % M/M   |
|---------------------------------|--------------|--------------------|----------|---------|
|                                 |              | Method No          | SUB_02*  | WSLM59* |
|                                 |              | Limit of Detection | N/A      | 0.02    |
|                                 |              | Accreditation      | UKAS     | UKAS    |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Asbestos | TOC     |
| BH-111 neg 2.46-2.61m           | MAR02840.001 | Sediment           | NAD      | 0.35    |
| BH-111 neg 5.46-5.61m           | MAR02840.002 | Sediment           | NAD      | 0.08    |
| BH-111 neg 9.50-10.00m          | MAR02840.003 | Sediment           | NAD      | 0.05    |
| Reference Material (% Recovery) |              |                    | N/A      | 80      |
| QC Blank                        |              |                    | N/A      | <0.02   |

\* See Report Notes  
 NAD - No Asbestos Detected



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Test Report ID MAR02840  
 Issue Version 1  
 Customer Reference 162855-12 Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-111 neg 2.46-2.61m                               | MAR02840.001 | Sediment           | 2.4                | 0.05    | 9.5      | 3.7    | <0.01   | 5.3    | 4.2  | 21.7 |
| BH-111 neg 5.46-5.61m                               | MAR02840.002 | Sediment           | 1.0                | <0.04   | 3.7      | 1.7    | 0.04    | 2.4    | 1.0  | 5.4  |
| BH-111 neg 9.50-10.00m                              | MAR02840.003 | Sediment           | 1.0                | <0.04   | 4.4      | 1.5    | 0.01    | 3.5    | 1.0  | 5.5  |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 106                | 104     | 113      | 108    | 104     | 104    | 107  | 106  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID           MAR02840  
Issue Version            1  
Customer Reference       162855-12 Ardersier, Inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-111 neg 2.46-2.61m                             | MAR02840.001 | Sediment           | <5                 | <5                |
| BH-111 neg 5.46-5.61m                             | MAR02840.002 | Sediment           | <5                 | <5                |
| BH-111 neg 9.50-10.00m                            | MAR02840.003 | Sediment           | <5                 | <5                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 105                | 112               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID MAR02840  
 Issue Version 1  
 Customer Reference 162855-12 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | 1.58               | 3.99               | 3.06               | 8.70               | 7.94               | 8.26               |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <1                 | <1                 | <1                 | 1.42               | 1.41               | <1                 |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 38                 | 137                | 105                | 92                 | 87                 | 85                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

# Certificate of Analysis



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Test Report ID MAR02840  
 Issue Version 1  
 Customer Reference 162855-12 Ardersier, Inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | 6.42               | 4.19               | 8.12               | 7.75               | 9.38               | 9.10               |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <1                 | <1                 | 1.35               | 2.31               | 1.40               | 2.10               |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <1                 | <1                 | <1                 | 1.43               | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 98                 | 79                 | 84                 | 104                | 72                 | 97                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

# Certificate of Analysis



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Test Report ID MAR02840  
 Issue Version 1  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | 7.27               | 9.93               | <1                 | 25.6               | 2.39               | 4.79               |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <1                 | 1.55               | <1                 | 3.77               | <1                 | <1                 |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 51                 | 105                | 80                 | 101                | 77                 | 81                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | 3.40               | 13.8               | 12.6               | 22.8               | 11600              |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <1                 | <1                 | <1                 | 3.79               | 2060               |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | 7190               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 106                | 86                 | 88                 | 102                | 117~               |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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 \*See report notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 80                 | 107                | 110                | 95                 | 97                 | 102                | 84                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 95                 | 96                 | 112                | 123                | 90                 | 101                | 103                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 76                 | 86                 | 107                | 114                | 107                | 90                 | 83                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 93                 | 89                 | 83                 | 95                 | 100                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 104~               | 77~                | 88~                | 122                | 86                 | 86                 | 63                 | 106                |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 100~               | 119                | 143                | 110~               | 149                | 256                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-111 neg 2.46-2.61m                                     | MAR02840.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 2.68               |
| BH-111 neg 5.46-5.61m                                     | MAR02840.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 13.9               |
| BH-111 neg 9.50-10.00m                                    | MAR02840.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 1.42               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 115~               | 106~               | 106~               | 107~               | 186                | 105                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.3*              |

\* See Report Notes

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Issue Version 1

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## REPORT NOTES

| Method Code     | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02840.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                     |
| ICPMSS*         | MAR02840.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                     |
| SUB_01*         | MAR02840.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SUB_02*         | MAR02840.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ASC/SOP/301     | MAR02840.001-003 | The matrix of this sample has been found to interfere with the result for this test. The sample has therefore been diluted, but in doing so, the detection limit for this test has been elevated.                                                                                                                                                                                                                                                                                                                    |
| ASC/SOP/303/304 | MAR02840.001-003 | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                         |
| ASC/SOP/303/304 | MAR02840.001-003 | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                             |
| ASC/SOP/308     | MAR02840.001-003 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted. |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and seived to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and seived to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

MAR02840

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## Certificate of Analysis

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**Test Report ID MAR02841**

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-13 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 23-24-Sep-25

Date Samples Received: 02-Oct-25

Test Report Date: 29-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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Test Report ID MAR02841  
 Issue Version 1  
 Customer Reference 162855-13 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| BH-305 pos 4.20-4.05m           | MAR02841.001 | Sediment           | 5.03                   | 95.0         | 0.15          | 97.25             | 2.59          | 2.66             |
| BH-305 neg 0.80-1.30m           | MAR02841.002 | Sediment           | 20.8                   | 79.2         | 0.28          | 97.02             | 2.71          | 2.65             |
| BH-305 neg 5.30-5.80m           | MAR02841.003 | Sediment           | 19.4                   | 80.6         | 0.02          | 97.39             | 2.59          | 2.65             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02841  
 Issue Version 1  
 Customer Reference 162855-13 Ardersier, Inverness - Marine Scotland Anal

|                                 |                     |                           |                 |            |
|---------------------------------|---------------------|---------------------------|-----------------|------------|
|                                 |                     | <b>Units</b>              | N/A             | % M/M      |
|                                 |                     | <b>Method No</b>          | SUB_02*         | WSLM59*    |
|                                 |                     | <b>Limit of Detection</b> | N/A             | 0.02       |
|                                 |                     | <b>Accreditation</b>      | UKAS            | UKAS       |
| <b>Client Reference:</b>        | <b>SOCOTEC Ref:</b> | <b>Matrix</b>             | <b>Asbestos</b> | <b>TOC</b> |
| BH-305 pos 4.20-4.05m           | MAR02841.001        | Sediment                  | NAD             | <0.02      |
| BH-305 neg 0.80-1.30m           | MAR02841.002        | Sediment                  | NAD             | 0.05       |
| BH-305 neg 5.30-5.80m           | MAR02841.003        | Sediment                  | NAD             | 0.02       |
| Reference Material (% Recovery) |                     |                           | N/A             | 100        |
| QC Blank                        |                     |                           | N/A             | <0.02      |

\* See Report Notes  
 NAD - No Asbestos Detected

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Test Report ID MAR02841  
 Issue Version 1  
 Customer Reference 162855-13 Ardersier, Inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| BH-305 pos 4.20-4.05m                               | MAR02841.001 | Sediment           | 1.0                | <0.04   | 3.4      | 1.5    | <0.01   | 2.1    | 0.9  | 5.0  |
| BH-305 neg 0.80-1.30m                               | MAR02841.002 | Sediment           | 1.3                | <0.04   | 3.7      | 1.9    | <0.01   | 2.4    | 1.0  | 6.5  |
| BH-305 neg 5.30-5.80m                               | MAR02841.003 | Sediment           | 1.5                | <0.04   | 4.3      | 1.3    | <0.01   | 2.8    | 1.0  | 8.7  |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 106                | 104     | 113      | 108    | 104     | 104    | 107  | 106  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| BH-305 pos 4.20-4.05m                             | MAR02841.001 | Sediment           | <1                 | <1                |
| BH-305 neg 0.80-1.30m                             | MAR02841.002 | Sediment           | <1                 | <1                |
| BH-305 neg 5.30-5.80m                             | MAR02841.003 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 105                | 112               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | 5.14               | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 38                 | 137                | 105                | 92                 | 87                 | 85                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
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 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <1                 | <1                 | <1                 | 1.33               | <1                 | <1                 |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 98                 | 79                 | 84                 | 104                | 72                 | 97                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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 Issue Version 1  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | 1.20               | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 51                 | 105                | 80                 | 101                | 77                 | 81                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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 Issue Version 1  
 Customer Reference 162855-13 Ardersier, inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <1                 | 1.90               | 1.71               | <1                 | 1680               |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1070               |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1680               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 106                | 86                 | 88                 | 102                | 117~               |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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 \*See report notes



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 Issue Version 1  
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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 80                 | 107                | 110                | 95                 | 97                 | 102                | 84                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
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 \*See report notes

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 Customer Reference 162855-13 Ardersier, inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 95                 | 96                 | 112                | 123                | 90                 | 101                | 103                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Test Report ID           MAR02841  
 Issue Version            1  
 Customer Reference       162855-13 Ardersier, inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 76                 | 86                 | 107                | 114                | 107                | 90                 | 83                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02841  
 Issue Version 1  
 Customer Reference 162855-13 Ardersier, Inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 93                 | 89                 | 83                 | 95                 | 100                |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

For full analyte name see method summaries  
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 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02841  
 Issue Version            1  
 Customer Reference       162855-13 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 104~               | 77~                | 88~                | 122                | 86                 | 86                 | 63                 | 106                |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 \*See report notes

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Test Report ID MAR02841  
 Issue Version 1  
 Customer Reference 162855-13 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 100~               | 119                | 143                | 110~               | 149                | 256                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes

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Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02841  
 Issue Version 1  
 Customer Reference 162855-13 Ardersier, Inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| BH-305 pos 4.20-4.05m                                     | MAR02841.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 4.71               |
| BH-305 neg 0.80-1.30m                                     | MAR02841.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 1.47               |
| BH-305 neg 5.30-5.80m                                     | MAR02841.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 0.83               |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 115~               | 106~               | 106~               | 107~               | 186                | 105                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.3*              |

\* See Report Notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwell House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02841

Issue Version 1

Customer Reference 162855-13 Ardersier, Inverness - Marine Scotland Analysis

## REPORT NOTES

| Method Code | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*     | MAR02841.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                     |
| ICPMSS*     | MAR02841.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                     |
| SUB_01*     | MAR02841.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SUB_02*     | MAR02841.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ASC/SOP/308 | MAR02841.001-003 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted. |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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# Certificate of Analysis



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Test Report ID MAR02841  
 Issue Version 1  
 Customer Reference 162855-13 Ardersier, invernass - Marine Scotland Analysis

| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and sieved to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

MAR02841

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## Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ



### Test Report ID MAR02843

Issue Version: 1

Customer: Solmek, 12-16 Yarm Road, Stockton on Tees, TS18 3NA

Customer Reference: 162855-14 Ardersier, Inverness - Marine Scotland Analysis

Date Sampled: 23-Sep-25

Date Samples Received: 06-Oct-25

Test Report Date: 29-Oct-25

Condition of samples: Cold      Satisfactory

Opinions and Interpretations expressed herein are outside the scope of our UKAS accreditation  
The results reported relate only to the sample tested  
The results apply to the sample as received

[Redacted]

Authorised by: Jane Colbourne

Position: Customer Service Specialist



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MAR02843  
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# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02843  
 Issue Version 1  
 Customer Reference 162855-14 Ardersier, Inverness - Marine Scotland Analysis

|                                 |              | Units              | %                      | %            | %             | %                 | %             | Mg/m3            |
|---------------------------------|--------------|--------------------|------------------------|--------------|---------------|-------------------|---------------|------------------|
|                                 |              | Method No          | ASC/SOP/303            | ASC/SOP/303  | SUB_01*       | SUB_01*           | SUB_01*       | SUB_02*          |
|                                 |              | Limit of Detection | 0.2                    | 0.2          | N/A           | N/A               | N/A           | N/A              |
|                                 |              | Accreditation      | UKAS                   | UKAS         | N             | N                 | N             | N                |
| Client Reference:               | SOCOTEC Ref: | Matrix             | Total Moisture @ 120°C | Total Solids | Gravel (>2mm) | Sand (63-2000 µm) | Silt (<63 µm) | Particle Density |
| TI-A pos 1.93- 1.80m            | MAR02843.001 | Sediment           | 24.8                   | 75.2         | 2.20          | 95.88             | 1.92          | 2.65             |
| TI-B pos 2.03-1.90m             | MAR02843.002 | Sediment           | 20.2                   | 79.8         | 0.00          | 94.64             | 5.36          | 2.65             |
| TI-C pos 1.74-1.60m             | MAR02843.003 | Sediment           | 20.2                   | 79.8         | 4.43          | 94.02             | 1.55          | 2.65             |
| Reference Material (% Recovery) |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |
| QC Blank                        |              |                    | N/A                    | N/A          | N/A           | N/A               | N/A           | N/A              |

\* See Report Notes  
 NAD - No Asbestos Detected

## Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID           MAR02843  
Issue Version            1  
Customer Reference       162855-14 Ardersier, Inverness - Marine Scotland Anal

|                      |              | Units                           | N/A      | % M/M   |
|----------------------|--------------|---------------------------------|----------|---------|
|                      |              | Method No                       | SUB_02*  | WSLM59* |
|                      |              | Limit of Detection              | N/A      | 0.02    |
|                      |              | Accreditation                   | UKAS     | UKAS    |
| Client Reference:    | SOCOTEC Ref: | Matrix                          | Asbestos | TOC     |
| TI-A pos 1.93- 1.80m | MAR02843.001 | Sediment                        | NAD      | <0.02   |
| TI-B pos 2.03-1.90m  | MAR02843.002 | Sediment                        | NAD      | 0.08    |
| TI-C pos 1.74-1.60m  | MAR02843.003 | Sediment                        | NAD      | <0.02   |
|                      |              | Reference Material (% Recovery) | N/A      | 99      |
|                      |              | QC Blank                        | N/A      | <0.02   |

\* See Report Notes

NAD - No Asbestos Detected

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Test Report ID MAR02843  
 Issue Version 1  
 Customer Reference 162855-14 Ardersier, inverness - Marine Scotland Analysis

|                                                     |              | Units              | mg/Kg (Dry Weight) |         |          |        |         |        |      |      |
|-----------------------------------------------------|--------------|--------------------|--------------------|---------|----------|--------|---------|--------|------|------|
|                                                     |              | Method No          | ICPMSS*            |         |          |        |         |        |      |      |
|                                                     |              | Limit of Detection | 0.5                | 0.04    | 0.5      | 0.5    | 0.01    | 0.5    | 0.5  | 2    |
|                                                     |              | Accreditation      | UKAS               | UKAS    | UKAS     | UKAS   | UKAS    | UKAS   | UKAS | UKAS |
| Client Reference:                                   | SOCOTEC Ref: | Matrix             | Arsenic            | Cadmium | Chromium | Copper | Mercury | Nickel | Lead | Zinc |
| TI-A pos 1.93- 1.80m                                | MAR02843.001 | Sediment           | 1.1                | <0.04   | 3.5      | 2.5    | <0.01   | 2.0    | 1.4  | 12.1 |
| TI-B pos 2.03-1.90m                                 | MAR02843.002 | Sediment           | 1.8                | <0.04   | 5.5      | 2.5    | <0.01   | 3.5    | 2.0  | 12.4 |
| TI-C pos 1.74-1.60m                                 | MAR02843.003 | Sediment           | 1.1                | <0.04   | 2.8      | 7.1    | <0.01   | 1.6    | 1.7  | 15.2 |
| Certified Reference Material SETOC 768 (% Recovery) |              |                    | 106                | 104     | 113      | 108    | 105     | 104    | 107  | 106  |
| QC Blank                                            |              |                    | <0.5               | <0.04   | <0.5     | <0.5   | <0.01   | <0.5   | <0.5 | <2   |

\* See Report Notes

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Test Report ID MAR02843  
 Issue Version 1  
 Customer Reference 162855-14 Ardersier, inverness - Marine Scotland Analysis

|                                                   |              | Units              | µg/Kg (Dry Weight) |                   |
|---------------------------------------------------|--------------|--------------------|--------------------|-------------------|
|                                                   |              | Method No          | ASC/SOP/301        |                   |
|                                                   |              | Limit of Detection | 1                  | 1                 |
|                                                   |              | Accreditation      | UKAS               | UKAS              |
| Client Reference:                                 | SOCOTEC Ref: | Matrix             | Dibutyltin (DBT)   | Tributyltin (TBT) |
| TI-A pos 1.93- 1.80m                              | MAR02843.001 | Sediment           | <1                 | <1                |
| TI-B pos 2.03-1.90m                               | MAR02843.002 | Sediment           | <1                 | <1                |
| TI-C pos 1.74-1.60m                               | MAR02843.003 | Sediment           | <1                 | <1                |
| Certified Reference Material BCR-646 (% Recovery) |              |                    | 105                | 112               |
| QC Blank                                          |              |                    | <1                 | <1                |

\* See Report Notes

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Test Report ID MAR02843  
 Issue Version 1  
 Customer Reference 162855-14 Ardersier, inverness - Marine Scotland Analysis

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | ACENAPTH           | ACENAPHY           | ANTHRACN           | BAA                | BAP                | BBF                |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <1                 | <1                 | <1                 | 3.00               | 3.53               | 3.06               |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 38                 | 117                | 89                 | 83                 | 75                 | 96                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
 ~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
 As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
 \*See report notes

# Certificate of Analysis



Issuing Laboratory SOCOTEC, Marine Department, Advanced Chemistry and Research, Etwall House, Bretby Business Park, Ashby Road, Burton-upon-Trent DE15 0YZ

Test Report ID MAR02843  
Issue Version 1  
Customer Reference 162855-14 Ardersier, inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | N                  | N                  | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | BEP                | BENZGHIP           | BKF*               | C1N                | C1PHEN             | C2N                |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | 2.66               | 2.39               | 3.74               | <1                 | 8.97               | 2.16               |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 97                 | 90                 | 81                 | 101                | 94                 | 83                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

For full analyte name see method summaries  
~ Indicates result is for an In-house Reference Material as no Certified Reference Materials are available.  
As the method uses surrogate standards to correct for losses, the RM results are reported as percentage trueness, not recovery.  
\*See report notes

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Test Report ID MAR02843  
 Issue Version 1  
 Customer Reference 162855-14 Ardersier, inverness - Marine Scotland Anal

|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
|                                                           |              | Accreditation      | N                  | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | C3N                | CHRYSENE*          | DBENZAH            | FLUORANT           | FLUORENE           | INDPYR             |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <1                 | 4.03               | <1                 | 9.25               | <1                 | 2.24               |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 40                 | 98                 | 78                 | 95                 | 62                 | 91                 |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/304    | ASC/SOP/303/306    |
|                                                           |              | Limit of Detection | 1                  | 1                  | 1                  | 1                  | 100                |
|                                                           |              | Accreditation      | UKAS               | N                  | UKAS               | UKAS               | N                  |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | NAPTH              | PERYLENE           | PHENANT            | PYRENE             | THC                |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1080               |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <1                 | 8.85               | 5.56               | 8.46               | 4560               |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <1                 | <1                 | <1                 | <1                 | 1730               |
| Certified Reference Material Quasimeme SED42 (% Recovery) |              |                    | 101                | 113                | 84                 | 95                 | 78~                |
| QC Blank                                                  |              |                    | <1                 | <1                 | <1                 | <1                 | <100               |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB28              | PCB52              | PCB101             | PCB118             | PCB138             | PCB153             | PCB18              |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 83                 | 115                | 109                | 120                | 85                 | 84                 | 71                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB105             | PCB110             | PCB128             | PCB141             | PCB149             | PCB151             | PCB156             |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 75                 | 111                | 65                 | 81                 | 96                 | 97                 | 85                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               | 0.08               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB158             | PCB170             | PCB180             | PCB183             | PCB187             | PCB194             | PCB31              |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 105                | 84                 | 89                 | 62                 | 74                 | 83                 | 85                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              | <0.08              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.08               | 0.08               | 0.08               | 0.08               | 0.56               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PCB44              | PCB47              | PCB49              | PCB66              | ICES7              |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <0.08              | 0.19               | 0.21               | <0.08              | <0.56              |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 112                | 137                | 87                 | 98                 | 98                 |
| QC Blank                                                  |              |                    | <0.08              | <0.08              | <0.08              | <0.08              | <0.56              |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        | ASC/SOP/302        |
|                                                           |              | Limit of Detection | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | AHCH               | BHCH               | GHCH               | DIELDRIN           | HCB                | DDE                | DDT                | DDD                |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |
| Certified Reference Material Quasimeme SED28 (% Recovery) |              |                    | 104~               | 99~                | 117~               | 85                 | 98                 | 85                 | 69                 | 102                |
| QC Blank                                                  |              |                    | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               | <0.1               |

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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | N*                 |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 17            | PBDE 28            | PBDE 47            | PBDE 66            | PBDE 100           | PBDE 99            |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 0.05               |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | 0.06               |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 93~                | 112                | 113                | 116~               | 141                | 135                |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              |

\* See Report Notes



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|                                                           |              | Units              | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) | µg/Kg (Dry Weight) |
|-----------------------------------------------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                           |              | Method No          | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        | ASC/SOP/308        |
|                                                           |              | Limit of Detection | 0.05               | 0.05               | 0.05               | 0.05               | 0.05               | 0.1                |
|                                                           |              | Accreditation      | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               | UKAS               |
| Client Reference:                                         | SOCOTEC Ref: | Matrix             | PBDE 85            | PBDE 154           | PBDE 153           | PBDE 138           | PBDE 183           | PBDE 209           |
| TI-A pos 1.93- 1.80m                                      | MAR02843.001 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| TI-B pos 2.03-1.90m                                       | MAR02843.002 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| TI-C pos 1.74-1.60m                                       | MAR02843.003 | Sediment           | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2                 |
| Certified Reference Material Quasimeme SED56 (% Recovery) |              |                    | 122~               | 106~               | 117~               | 110~               | 171                | 72                 |
| QC Blank                                                  |              |                    | <0.05              | <0.05              | <0.05              | <0.05              | <0.05              | <2*                |

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## REPORT NOTES

| Method Code     | Sample ID        | The following information should be taken into consideration when using the data contained within this report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLM59*         | MAR02843.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ICPMSS*         | MAR02843.001-003 | Analysis was conducted by an internal SOCOTEC laboratory. UKAS accredited analysis by this laboratory is under UKAS number 1252.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SUB_01*         | MAR02843.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SUB_02*         | MAR02843.001-003 | Analysis was conducted by an approved subcontracted laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ASC/SOP/303/304 | MAR02843.001-003 | Benzo[k]fluoranthene is known to coelute with Benzo[j]fluoranthene and these peaks can not be resolved. It is believed Benzo[j]fluoranthene is present in these samples therefore it is suggested that the Benzo[k]fluoranthene results should be taken as a Benzo[k]fluoranthene (inc. Benzo[j]fluoranthene). Benzo[j]fluoranthene is not UKAS accredited. This should be taken into consideration when utilising the data.                                                                                                                                                                           |
| ASC/SOP/303/304 | MAR02843.001-003 | Chrysene is known to coelute with Triphenylene and these peaks can not be resolved. Triphenylene may be present in these samples therefore it is suggested that the Chrysene results should be taken as a Chrysene (inc. Triphenylene). This should be taken into consideration when utilising the data.                                                                                                                                                                                                                                                                                               |
| ASC/SOP/308     | MAR02843.001-003 | The Primary process control data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with one or more target analytes falling outside acceptable limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy we have removed accreditation, where applicable, from the affected analytes (PBDE99). These circumstances should be taken into consideration when utilising the data. |
| ASC/SOP/308     | MAR02843.001-003 | The Primary process control blank data associated with this Test has not wholly met the requirements of the Laboratory Quality Management System QMS with BDE209 falling above acceptable reporting limits. The remaining data gives the Laboratory confidence that the test has performed satisfactorily and that the validity of the data may not have been significantly affected. However in line with our QMS policy the report limit for this compound has been raised and samples have been blank subtracted.                                                                                   |

## DEVIATING SAMPLE STATEMENT

| Deviation Code | Deviation Definition                                      | Sample ID | Deviation Details. The following information should be taken into consideration when using the data contained within this report |
|----------------|-----------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| D1             | Holding Time Exceeded                                     | N/A       | N/A                                                                                                                              |
| D2             | Sample Contaminated through Damaged Packaging             | N/A       | N/A                                                                                                                              |
| D3             | Sample Contaminated through Sampling                      | N/A       | N/A                                                                                                                              |
| D4             | Inappropriate Container/Packaging                         | N/A       | N/A                                                                                                                              |
| D5             | Damaged in Transit                                        | N/A       | N/A                                                                                                                              |
| D6             | Insufficient Quantity of Sample                           | N/A       | N/A                                                                                                                              |
| D7             | Inappropriate Headspace                                   | N/A       | N/A                                                                                                                              |
| D8             | Retained at Incorrect Temperature                         | N/A       | N/A                                                                                                                              |
| D9             | Lack of Date & Time of Sampling                           | N/A       | N/A                                                                                                                              |
| D10            | Insufficient Sample Details                               | N/A       | N/A                                                                                                                              |
| D11            | Sample integrity compromised or not suitable for analysis | N/A       | N/A                                                                                                                              |

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| Method                              | Sample and Fraction Size      | Method Summary                                                                                                                 |
|-------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Total Solids                        | Wet Sediment                  | Calculation (100%-Moisture Content).Moisture content determined by drying a portion of the sample at 120°C to constant weight. |
| Particle Size Analysis              | Wet Sediment                  | Wet and dry sieving followed by laser diffraction analysis.                                                                    |
| Total Organic Carbon (TOC)          | Air dried and ground          | Carbonate removal and sulphurous acid/combustion at 1600°C/NDIR.                                                               |
| Metals                              | Air dried and sieved to <63µm | Aqua-regia extraction followed by ICP analysis.                                                                                |
| Organotins                          | Wet Sediment                  | Solvent extraction and derivatisation followed by GC-MS analysis.                                                              |
| Polyaromatic Hydrocarbons (PAH)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-MS analysis.                                                                    |
| Total Hydrocarbon Content (THC)     | Wet Sediment                  | Solvent extraction and clean up followed by GC-FID analysis.                                                                   |
| Polychlorinated Biphenyls (PCBs)    | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Organochlorine Pesticides (OCPs)    | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |
| Brominated Flame Retardants (PBDEs) | Air dried and sieved to <2mm  | Solvent extraction and clean up followed by GC-MS-MS analysis.                                                                 |

| Analyte Definitions  |                      |                      |                        |                      |                                       |
|----------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------------|
| Analyte Abbreviation | Full Analyte name    | Analyte Abbreviation | Full Analyte name      | Analyte Abbreviation | Full Analyte name                     |
| ACENAPTH             | Acenaphthene         | C2N                  | C2-naphthalenes        | THC                  | Total Hydrocarbon Content             |
| ACENAPHY             | Acenaphthylene       | C3N                  | C3-naphthalenes        | AHCH                 | alpha-Hexachlorocyclohexane           |
| ANTHRACN             | Anthracene           | CHRYSENE             | Chrysene               | BHCH                 | beta-Hexachlorocyclohexane            |
| BAA                  | Benzo[a]anthracene   | DBENZAH              | Dibenzo[ah]anthracene  | GHCH                 | gamma-Hexachlorocyclohexane           |
| BAP                  | Benzo[a]pyrene       | FLUORANT             | Fluoranthene           | DIELDRIN             | Dieldrin                              |
| BBF                  | Benzo[b]fluoranthene | FLUORENE             | Fluorene               | HCB                  | Hexachlorobenzene                     |
| BEP                  | Benzo[e]pyrene       | INDPYR               | Indeno[1,2,3-cd]pyrene | DDD                  | p,p'-Dichlorodiphenyldichloroethane   |
| BENZGHIP             | Benzo[ghi]perylene   | NAPTH                | Naphthalene            | DDE                  | p,p'-Dichlorodiphenyldichloroethylene |
| BKF                  | Benzo[k]fluoranthene | PERYLENE             | Perylene               | DDT                  | p,p'-Dichlorodiphenyltrichloroethane  |
| C1N                  | C1-naphthalenes      | PHENANT              | Phenanthrene           |                      |                                       |
| C1PHEN               | C1-phenanthrene      | PYRENE               | Pyrene                 |                      |                                       |

MAR02843

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## APPENDIX D

|                                                                    |            |                                                                                                                    |                                                                                              |
|--------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <h1 style="text-align: center;">Laboratory Report Front Sheet</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
|                                                                    |            |                                                                                                                    |                                                                                              |
| Site name                                                          | Job number |                                                                                                                    |                                                                                              |
| Marine GI - Ardersier Port                                         | S250403    |                                                                                                                    |                                                                                              |

**Client details:**

Reference: S250403  
 Name: Solmek  
 Address: 12 Yarm Road,  
 Stockton-on-tees,  
 TS18 3NA

Telephone: 01642 607083  
 Email: rwoods@solmek.com

FAO: Richard Woods

**Samples received:** 08/09/2025

**Date commenced:** 15/09/2025

**Date reported:** 19/02/2026

**Observations and interpretations are outside of 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 in full, without the prior written approval of the laboratory.

Samples will be held at the laboratory for a period of 4 weeks after the report date. After the above reporting date the samples will be disposed of. Should further testing be required then the office should be informed before the above date.

|                                                                                        |                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signature:</b><br><br><div style="text-align: center; color: red;">[Redacted]</div> | <b>Approved Signatories:</b><br><br><div> <input type="checkbox"/> D.Anderson (Managing Director)         </div> <div> <input checked="" type="checkbox"/> J. Brischuk (Laboratory Manager)         </div> <div> <input type="checkbox"/> </div> |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                 |            |                                                                                                                                |                                                                                                  |
|---------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Summary of Classification Tests |            | G2M Testing (Stockton)<br><br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br><br>01642 033318<br><br>info@g2mtesting.co.uk | <br><br>10258 |
| Site name                       | Job number |                                                                                                                                |                                                                                                  |
| Marine GI - Ardersier Port      | S250403    |                                                                                                                                |                                                                                                  |

| Hole   | Depth    |           | Type | w<br>% | Oven<br>temp.<br>oc | wa<br>% | Pa<br>% | Pr<br>% | wL<br>% | wP<br>% | IP<br>% | IL    | Plasticity<br>class | Preparation method                    |
|--------|----------|-----------|------|--------|---------------------|---------|---------|---------|---------|---------|---------|-------|---------------------|---------------------------------------|
|        | Top<br>m | Base<br>m |      |        |                     |         |         |         |         |         |         |       |                     |                                       |
| BH-101 | -0.70    |           | D    | 28     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-101 | -2.20    |           | D    | 28     | 105                 | 28      | 100     | 0       |         |         |         |       | NP                  | Tested in natural condition           |
| BH-101 | -2.30    |           | D    | 24     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-101 | -3.40    |           | D    | 47     | 50                  | 47      | 100     | 0       | 57-f    | 41      | 16      | 0.375 | MH                  | Tested in natural condition           |
| BH-102 | -1.00    |           | B    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-102 | 3.50     |           | B    | 19     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-102 | -4.50    |           | D    | 19     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-102 | -12.50   |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-106 | -7.91    |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-106 | -12.91   |           | D    | 15     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-106 | -13.91   |           | D    | 21     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-106 | -16.91   |           | D    | 19     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-107 | -0.10    |           | B    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-107 | -5.40    |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-107 | -10.40   |           | D    | 18     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-107 | -17.40   |           | D    | 24     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-107 | -19.40   |           | D    | 20     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-107 | -24.40   |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                                       |
| BH-108 | -4.80    |           | D    | 23     | 105                 |         |         |         |         |         |         |       | NP                  | Tested after washing to remove >425µm |
| BH-108 | -11.10   |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                                       |

All tests found in G2M Testing UKAS Schedule of Accreditation are tested to standard unless otherwise indicated

| Key | Description                                     | Category     | BS Test Code                   |
|-----|-------------------------------------------------|--------------|--------------------------------|
| w   | Moisture content                                |              | BS 1377:1990 Part 2 Clause 3.2 |
| wa  | Equivalent moisture content passing 425µm sieve |              | BS 1377:1990 Part 2 Clause 3.2 |
| wL  | Liquid limit                                    | Single point | -s                             |
|     |                                                 | Four point   | -f                             |
| wP  | Plastic limit                                   |              | BS 1377:1990 Part 2 Clause 5.2 |
| Pa  | Percentage passing 425µm sieve                  |              |                                |
| Pr  | Percentage retained 425µm sieve                 |              |                                |
| IP  | Plasticity index                                |              | BS 1377:1990 Part 2 Clause 5.4 |
| IL  | Liquidity index                                 |              | BS 1377:1990 Part 2 Clause 5.4 |
|     | Suffix indicating test is "Not UKAS Accredited" | *            |                                |

|                       |                  |
|-----------------------|------------------|
| Approved by           | D Anderson       |
| Approval date         | 18/11/2025 15:31 |
| Date report generated |                  |
| Report Number         |                  |

# Summary of Classification Tests

G2M Testing (Stockton)

12-16 Yarm Road  
Stockton on Tees  
TS18 3NA

01642 033318

info@g2mtesting.co.uk



10258

|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

| Hole   | Depth    |           | Type | w<br>% | Oven<br>temp.<br>oc | wa<br>% | Pa<br>% | Pr<br>% | wL<br>% | wP<br>% | IP<br>% | IL | Plasticity<br>class | Preparation method          |
|--------|----------|-----------|------|--------|---------------------|---------|---------|---------|---------|---------|---------|----|---------------------|-----------------------------|
|        | Top<br>m | Base<br>m |      |        |                     |         |         |         |         |         |         |    |                     |                             |
| BH-108 | -14.10   |           | D    | 25     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-108 | -19.10   |           | D    | 23     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-108 | -29.10   |           | D    | 24     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-109 | -10.10   |           | D    | 20     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-109 | -13.20   |           | B    | 27     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-109 | -16.20   |           | B    | 27     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-109 | -25.10   |           | D    | 27     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-110 | -11.60   |           | D    | 27     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-110 | -13.60   |           | D    | 22     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-110 | -18.60   |           | D    | 17     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-111 | -10.10   |           | D    | 15     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-111 | -11.70   |           | B    | 17     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-111 | -16.10   |           | D    | 22     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-111 | -19.20   |           | B    | 21     | 105                 |         |         |         |         |         |         |    |                     |                             |
| BH-111 | -24.10   |           | D    | 26     | 105                 | 26      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
| BH-112 | -4.15    |           | D    | 24     | 105                 | 24      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
| BH-112 | -10.20   |           | D    | 17     | 105                 | 17      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
| BH-112 | -12.50   |           | D    | 21     | 105                 | 21      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
| BH-112 | -17.50   |           | D    | 18     | 105                 | 18      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
| BH-113 | -7.58    |           | D    | 32     | 105                 |         |         |         |         |         |         |    |                     |                             |

All tests found in G2M Testing UKAS Schedule of Accreditation are tested to standard unless otherwise indicated

| Key | Description                                     | Category | BS Test Code                   |
|-----|-------------------------------------------------|----------|--------------------------------|
| w   | Moisture content                                |          | BS 1377:1990 Part 2 Clause 3.2 |
| wa  | Equivalent moisture content passing 425µm sieve |          | BS 1377:1990 Part 2 Clause 3.2 |
| wL  | Liquid limit<br>Single point<br>Four point      | -s       | BS 1377:1990 Part 2 Clause 4.4 |
|     |                                                 | -f       | BS 1377:1990 Part 2 Clause 4.3 |
| wP  | Plastic limit                                   |          | BS 1377:1990 Part 2 Clause 5.2 |
| Pa  | Percentage passing 425µm sieve                  |          |                                |
| Pr  | Percentage retained 425µm sieve                 |          |                                |
| IP  | Plasticity index                                |          | BS 1377:1990 Part 2 Clause 5.4 |
| IL  | Liquidity index                                 |          | BS 1377:1990 Part 2 Clause 5.4 |
|     | Suffix indicating test is "Not UKAS Accredited" | *        |                                |

|                       |                  |
|-----------------------|------------------|
| Approved by           | D Anderson       |
| Approval date         | 08/10/2025 14:11 |
| Date report generated |                  |
| Report Number         |                  |

# Summary of Classification Tests

G2M Testing (Stockton)

12-16 Yarm Road  
Stockton on Tees  
TS18 3NA

01642 033318

info@g2mtesting.co.uk



10258

|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

| Hole   | Depth    |           | Type | w<br>% | Oven<br>temp.<br>oc | wa<br>% | Pa<br>% | Pr<br>% | wL<br>% | wP<br>% | IP<br>% | IL    | Plasticity<br>class | Preparation method                  |
|--------|----------|-----------|------|--------|---------------------|---------|---------|---------|---------|---------|---------|-------|---------------------|-------------------------------------|
|        | Top<br>m | Base<br>m |      |        |                     |         |         |         |         |         |         |       |                     |                                     |
| BH-113 | -16.58   |           | D    | 24     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-113 | -24.08   |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-113 | -28.70   |           | D    | 29     | 105                 | 29      | 100     | 0       | 32-f    | 19      | 13      | 0.769 | CL                  | Tested after >425µm removed by hand |
| BH-114 | -2.60    |           | D    | 24     | 105                 | 24      | 100     | 0       |         |         |         |       | NP                  | Tested in natural condition         |
| BH-114 | -4.60    |           | D    | 23     | 105                 | 23      | 100     | 0       |         |         |         |       | NP                  | Tested in natural condition         |
| BH-114 | -4.70    |           | B    | 28     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-114 | -8.60    |           | D    | 21     | 105                 | 21      | 100     | 0       |         |         |         |       | NP                  | Tested in natural condition         |
| BH-114 | -12.60   |           | D    | 21     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-115 | -12.50   |           | D    | 25     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-116 | -5.20    |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-116 | -6.20    |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-116 | -7.20    |           | D    | 24     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-116 | -12.20   |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-117 | -13.10   |           | D    | 25     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-118 | -11.60   |           | B    | 20     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-119 | -6.20    |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-119 | -9.30    |           | B    | 25     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-119 | -12.20   |           | D    | 20     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-119 | -19.20   |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-119 | -21.20   |           | D    | 27     | 105                 | 27      | 99      | 1       | 28-f    | 20      | 8       | 0.875 | CL                  | Tested after >425µm removed by hand |

All tests found in G2M Testing UKAS Schedule of Accreditation are tested to standard unless otherwise indicated

| Key | Description                                     | Category | BS Test Code                   |
|-----|-------------------------------------------------|----------|--------------------------------|
| w   | Moisture content                                |          | BS 1377:1990 Part 2 Clause 3.2 |
| wa  | Equivalent moisture content passing 425µm sieve |          | BS 1377:1990 Part 2 Clause 3.2 |
| wL  | Liquid limit<br>Single point<br>Four point      | -s       | BS 1377:1990 Part 2 Clause 4.4 |
|     |                                                 | -f       | BS 1377:1990 Part 2 Clause 4.3 |
| wP  | Plastic limit                                   |          | BS 1377:1990 Part 2 Clause 5.2 |
| Pa  | Percentage passing 425µm sieve                  |          |                                |
| Pr  | Percentage retained 425µm sieve                 |          |                                |
| IP  | Plasticity index                                |          | BS 1377:1990 Part 2 Clause 5.4 |
| IL  | Liquidity index                                 |          | BS 1377:1990 Part 2 Clause 5.4 |
|     | Suffix indicating test is "Not UKAS Accredited" | *        |                                |

|                       |                  |
|-----------------------|------------------|
| Approved by           | D Anderson       |
| Approval date         | 03/11/2025 11:03 |
| Date report generated |                  |
| Report Number         |                  |



# Summary of Classification Tests

G2M Testing (Stockton)

12-16 Yarm Road  
Stockton on Tees  
TS18 3NA

01642 033318

info@g2mtesting.co.uk



10258

|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

| Hole   | Depth    |           | Type | w<br>% | Oven<br>temp.<br>oc | wa<br>% | Pa<br>% | Pr<br>% | wL<br>% | wP<br>% | IP<br>% | IL    | Plasticity<br>class | Preparation method                  |
|--------|----------|-----------|------|--------|---------------------|---------|---------|---------|---------|---------|---------|-------|---------------------|-------------------------------------|
|        | Top<br>m | Base<br>m |      |        |                     |         |         |         |         |         |         |       |                     |                                     |
| BH-201 | -4.70    |           | D    | 91     | 105                 | 91      | 100     | 0       | 86-f    | 42      | 44      | 1.114 | MV                  | Tested in natural condition         |
| BH-201 | -6.50    |           | B    | 21     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-201 | -11.00   |           | B    | 29     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-201 | -12.50   |           | B    | 21     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-202 | -4.10    |           | D    | 29     | 105                 | 29      | 100     | 0       |         |         |         |       | NP                  | Tested in natural condition         |
| BH-202 | -10.20   |           | B    | 21     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-202 | -13.10   |           | D    | 21     | 105                 | 21      | 99      | 1       | 28-f    | 20      | 8       | 0.125 | CL                  | Tested after >425µm removed by hand |
| BH-203 | -6.60    |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-203 | -10.40   |           | D    | 13     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-203 | -15.60   |           | D    | 17     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-205 | -0.08    |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-205 | -1.08    |           | D    | 17     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-205 | -6.08    |           | D    | 21     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-205 | -11.08   |           | D    | 25     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-205 | -17.00   |           | D    | 17     | 105                 | 22      | 76      | 24      | 19-f    | 12      | 7       | 1.429 | CL                  | Tested after >425µm removed by hand |
| BH-205 | -17.12   |           | U    | 11     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-206 | -6.10    |           | D    | 19     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-206 | -11.10   |           | D    | 21     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-207 | -6.30    |           | D    | 17     | 105                 |         |         |         |         |         |         |       |                     |                                     |
| BH-207 | -12.30   |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                                     |

All tests found in G2M Testing UKAS Schedule of Accreditation are tested to standard unless otherwise indicated

| Key | Description                                     | Category | BS Test Code                   |
|-----|-------------------------------------------------|----------|--------------------------------|
| w   | Moisture content                                |          | BS 1377:1990 Part 2 Clause 3.2 |
| wa  | Equivalent moisture content passing 425µm sieve |          | BS 1377:1990 Part 2 Clause 3.2 |
| wL  | Liquid limit<br>Single point<br>Four point      | -s       | BS 1377:1990 Part 2 Clause 4.4 |
|     |                                                 | -f       | BS 1377:1990 Part 2 Clause 4.3 |
| wP  | Plastic limit                                   |          | BS 1377:1990 Part 2 Clause 5.2 |
| Pa  | Percentage passing 425µm sieve                  |          |                                |
| Pr  | Percentage retained 425µm sieve                 |          |                                |
| IP  | Plasticity index                                |          | BS 1377:1990 Part 2 Clause 5.4 |
| IL  | Liquidity index                                 |          | BS 1377:1990 Part 2 Clause 5.4 |
|     | Suffix indicating test is "Not UKAS Accredited" | *        |                                |

|                       |                  |
|-----------------------|------------------|
| Approved by           | D Anderson       |
| Approval date         | 03/11/2025 10:43 |
| Date report generated |                  |
| Report Number         |                  |

# Summary of Classification Tests

G2M Testing (Stockton)

12-16 Yarm Road  
Stockton on Tees  
TS18 3NA

01642 033318

info@g2mtesting.co.uk



10258

|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

| Hole   | Depth    |           | Type | w<br>% | Oven<br>temp.<br>oc | wa<br>% | Pa<br>% | Pr<br>% | wL<br>% | wP<br>% | IP<br>% | IL    | Plasticity<br>class | Preparation method          |
|--------|----------|-----------|------|--------|---------------------|---------|---------|---------|---------|---------|---------|-------|---------------------|-----------------------------|
|        | Top<br>m | Base<br>m |      |        |                     |         |         |         |         |         |         |       |                     |                             |
| BH-207 | -20.10   |           | D    | 23     | 105                 |         |         |         |         |         |         |       |                     |                             |
| BH-207 | -24.30   |           | D    | 20     | 105                 |         |         |         |         |         |         |       |                     |                             |
| BH-207 | -26.10   |           | D    | 27     | 105                 | 27      | 100     | 0       | 28-f    | 22      | 6       | 0.833 | ML                  | Tested in natural condition |
| BH-207 | -27.30   |           | D    | 28     | 105                 |         |         |         |         |         |         |       |                     |                             |
| BH-207 | -28.24   |           | U    | 27     | 105                 |         |         |         |         |         |         |       |                     |                             |
| BH-207 | -28.30   |           | D    | 16     | 105                 |         |         |         |         |         |         |       |                     |                             |
| BH-207 | -29.10   |           | D    | 28     | 105                 | 28      | 100     | 0       | 31-f    | 19      | 12      | 0.750 | CL                  | Tested in natural condition |
| CP-101 | -0.90    |           | D    | 24     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-101 | 2.10     |           | D    | 27     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-101 | 3.10     |           | D    | 21     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-101 | -5.90    |           | D    | 25     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-101 | -9.90    |           | D    | 29     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-101 | -17.90   |           | D    | 27     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-102 | 1.40     |           | B    | 23     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-102 | -1.60    |           | B    | 22     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-102 | 2.90     |           | D    | 25     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-102 | -9.10    |           | D    | 27     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-102 | -13.60   |           | D    | 25     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-103 | -0.30    |           | D    | 22     | 105                 |         |         |         |         |         |         |       |                     |                             |
| CP-103 | -2.70    |           | D    | 24     | 105                 |         |         |         |         |         |         |       |                     |                             |

All tests found in G2M Testing UKAS Schedule of Accreditation are tested to standard unless otherwise indicated

| Key | Description                                     | Category | BS Test Code                   |
|-----|-------------------------------------------------|----------|--------------------------------|
| w   | Moisture content                                |          | BS 1377:1990 Part 2 Clause 3.2 |
| wa  | Equivalent moisture content passing 425µm sieve |          | BS 1377:1990 Part 2 Clause 3.2 |
| wL  | Liquid limit<br>Single point<br>Four point      | -s       | BS 1377:1990 Part 2 Clause 4.4 |
|     |                                                 | -f       | BS 1377:1990 Part 2 Clause 4.3 |
| wP  | Plastic limit                                   |          | BS 1377:1990 Part 2 Clause 5.2 |
| Pa  | Percentage passing 425µm sieve                  |          |                                |
| Pr  | Percentage retained 425µm sieve                 |          |                                |
| IP  | Plasticity index                                |          | BS 1377:1990 Part 2 Clause 5.4 |
| IL  | Liquidity index                                 |          | BS 1377:1990 Part 2 Clause 5.4 |
|     | Suffix indicating test is "Not UKAS Accredited" | *        |                                |

|                       |                  |
|-----------------------|------------------|
| Approved by           | D Anderson       |
| Approval date         | 06/10/2025 08:57 |
| Date report generated |                  |
| Report Number         |                  |

# Summary of Classification Tests

G2M Testing (Stockton)

12-16 Yarm Road  
Stockton on Tees  
TS18 3NA

01642 033318

info@g2mtesting.co.uk



10258

|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

| Hole   | Depth    |           | Type | w<br>% | Oven<br>temp.<br>oc | wa<br>% | Pa<br>% | Pr<br>% | wL<br>% | wP<br>% | IP<br>% | IL | Plasticity<br>class | Preparation method          |
|--------|----------|-----------|------|--------|---------------------|---------|---------|---------|---------|---------|---------|----|---------------------|-----------------------------|
|        | Top<br>m | Base<br>m |      |        |                     |         |         |         |         |         |         |    |                     |                             |
| CP-103 | -6.30    |           | D    | 25     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-103 | -9.30    |           | D    | 27     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-103 | -16.80   |           | D    | 23     | 105                 | 23      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
| CP-103 | -18.30   |           | D    | 27     | 105                 | 27      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
| CP-104 | -0.50    |           | D    | 21     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-104 | 2.50     |           | D    | 26     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-104 | -8.00    |           | D    | 22     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-104 | -15.30   |           | D    | 24     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-201 | -1.00    |           | D    | 5.8    | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-201 | -2.00    |           | D    | 23     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-201 | -8.40    |           | D    | 24     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-201 | -13.00   |           | D    | 27     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-202 | 1.70     |           | D    | 18     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-202 | -4.30    |           | D    | 23     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-202 | -7.30    |           | D    | 27     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-202 | -13.30   |           | D    | 20     | 105                 |         |         |         |         |         |         |    |                     |                             |
| CP-202 | -15.75   |           | D    | 19     | 105                 | 19      | 100     | 0       |         |         |         |    | NP                  | Tested in natural condition |
|        |          |           |      |        |                     |         |         |         |         |         |         |    |                     |                             |
|        |          |           |      |        |                     |         |         |         |         |         |         |    |                     |                             |
|        |          |           |      |        |                     |         |         |         |         |         |         |    |                     |                             |

All tests found in G2M Testing UKAS Schedule of Accreditation are tested to standard unless otherwise indicated

| Key | Description                                     | Category | BS Test Code                   |
|-----|-------------------------------------------------|----------|--------------------------------|
| w   | Moisture content                                |          | BS 1377:1990 Part 2 Clause 3.2 |
| wa  | Equivalent moisture content passing 425µm sieve |          | BS 1377:1990 Part 2 Clause 3.2 |
| wL  | Liquid limit<br>Single point<br>Four point      | -s       | BS 1377:1990 Part 2 Clause 4.4 |
|     |                                                 | -f       | BS 1377:1990 Part 2 Clause 4.3 |
| wP  | Plastic limit                                   |          | BS 1377:1990 Part 2 Clause 5.2 |
| Pa  | Percentage passing 425µm sieve                  |          |                                |
| Pr  | Percentage retained 425µm sieve                 |          |                                |
| IP  | Plasticity index                                |          | BS 1377:1990 Part 2 Clause 5.4 |
| IL  | Liquidity index                                 |          | BS 1377:1990 Part 2 Clause 5.4 |
|     | Suffix indicating test is "Not UKAS Accredited" | *        |                                |

|                       |                  |
|-----------------------|------------------|
| Approved by           | D Anderson       |
| Approval date         | 19/11/2025 11:24 |
| Date report generated |                  |
| Report Number         |                  |



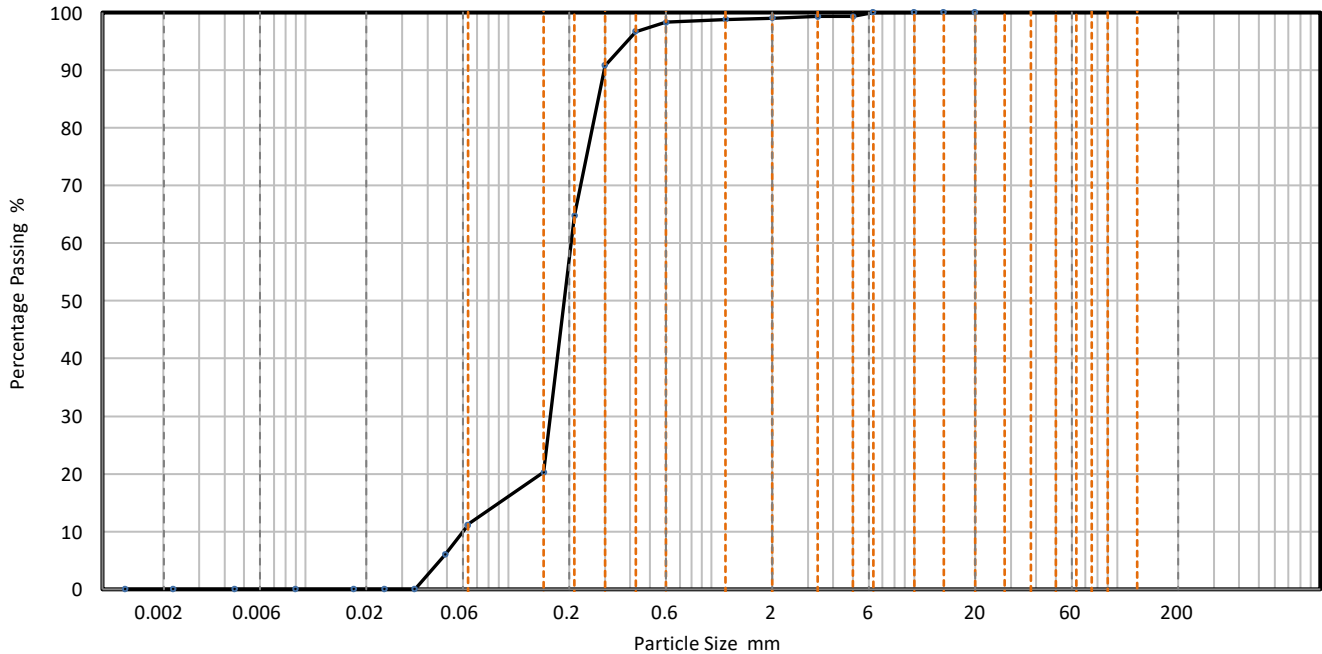
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                        |
|--------------|---------|------------------|----------------------------------------|
| Hole         | BH-101  | Lab sample ID    | G2MT2025110530                         |
| Depth (Top)  | m -2.20 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m       | Soil Description | Slightly Gravelly, Silty, SAND         |
| Sample type  | B       |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 11        |
|                  |           | 0.0489                                   | 6         |
|                  |           | 0.0347                                   | 0         |
|                  |           | 0.0245                                   | 0         |
|                  |           | 0.0173                                   | 0         |
|                  |           | 0.0090                                   | 0         |
|                  |           | 0.0045                                   | 0         |
| 20               | 100       | 0.0022                                   | 0         |
| 14               | 100       | 0.0013                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 99        |                                          |           |
| 3.35             | 99        |                                          |           |
| 2                | 99        |                                          |           |
| 1.18             | 99        |                                          |           |
| 0.6              | 98        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 97        |                                          |           |
| 0.3              | 91        |                                          |           |
| 0.212            | 65        |                                          |           |
| 0.15             | 20        |                                          |           |
| 0.063            | 11        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 708 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.0        |
| Sand               | 87.8       |
| Silt               | 11.2       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.204  |
| D30                    | mm 0.162  |
| D10                    | mm 0.0597 |
| Uniformity Coefficient | 3.4       |
| Curvature Coefficient  | 2.1       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/11/2025 08:47 |

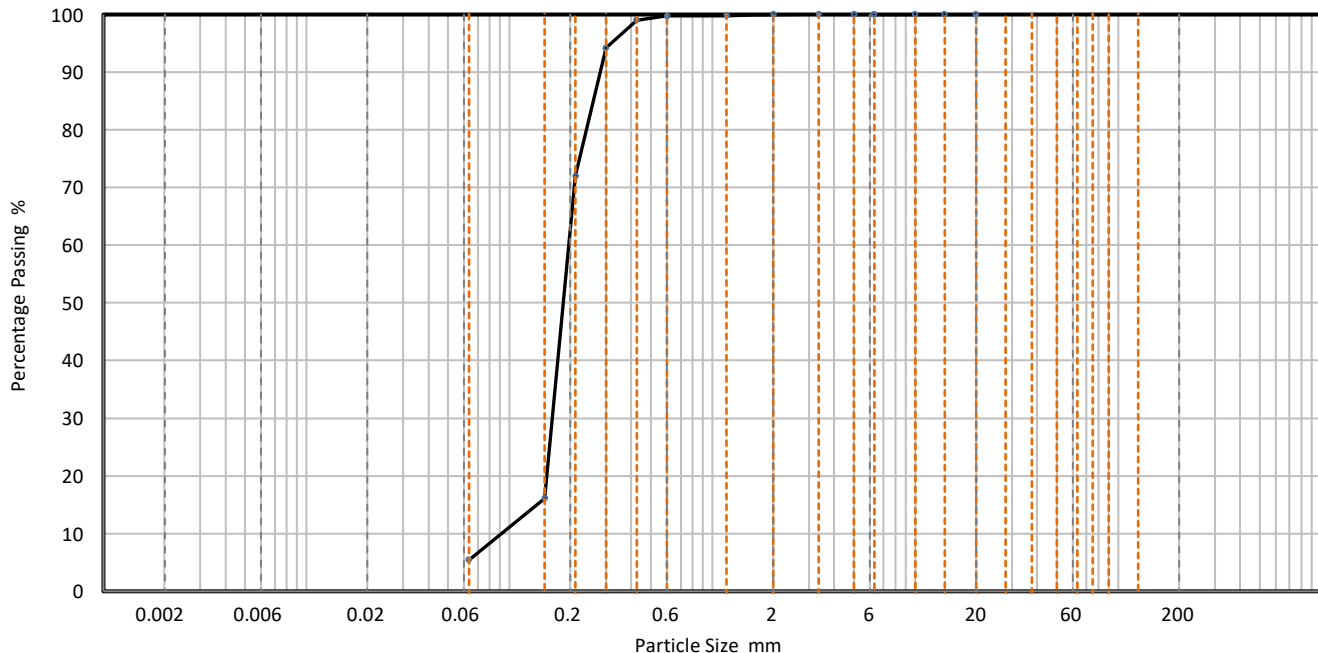
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-101 | Lab sample ID    | G2MT2025110534                |
| Depth (Top) m  | -2.30  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 94        |                  |           |
| 0.212            | 72        |                  |           |
| 0.15             | 16        |                  |           |
| 0.063            | 6         |                  |           |

Dry Mass of sample, g

855

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 94.5       |
|                    |            |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.2 |
| Curvature Coefficient  | 1.5 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:47 |

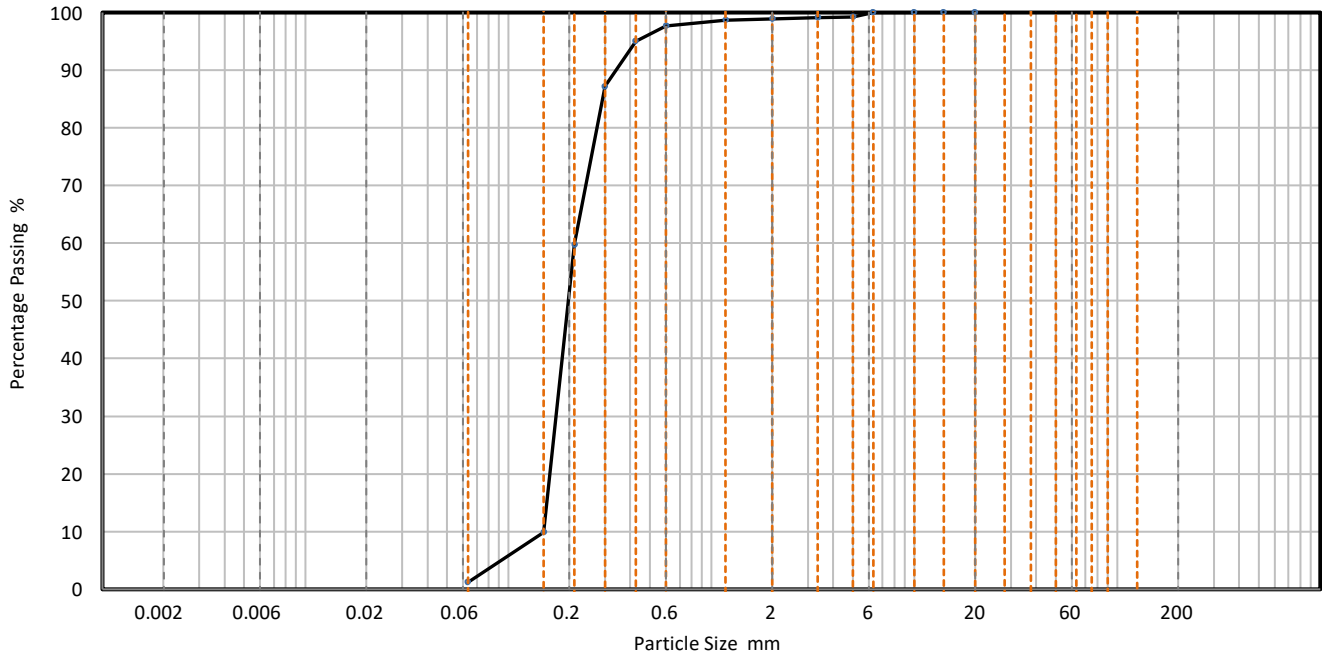
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |        |                  |                                         |
|--------------|--------|------------------|-----------------------------------------|
| Hole         | BH-101 | Lab sample ID    | G2MT2025110528                          |
| Depth (Top)  | m 3.70 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m      | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 99        |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 98        |                  |           |
| 0.425            | 95        |                  |           |
| 0.3              | 87        |                  |           |
| 0.212            | 60        |                  |           |
| 0.15             | 10        |                  |           |
| 0.063            | 1         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 948 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.1        |
| Sand               | 97.5       |
|                    |            |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |          |
|------------------------|----------|
| D100                   | mm       |
| D60                    | mm 0.213 |
| D30                    | mm 0.172 |
| D10                    | mm 0.15  |
| Uniformity Coefficient | 1.4      |
| Curvature Coefficient  | 0.93     |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:09 |

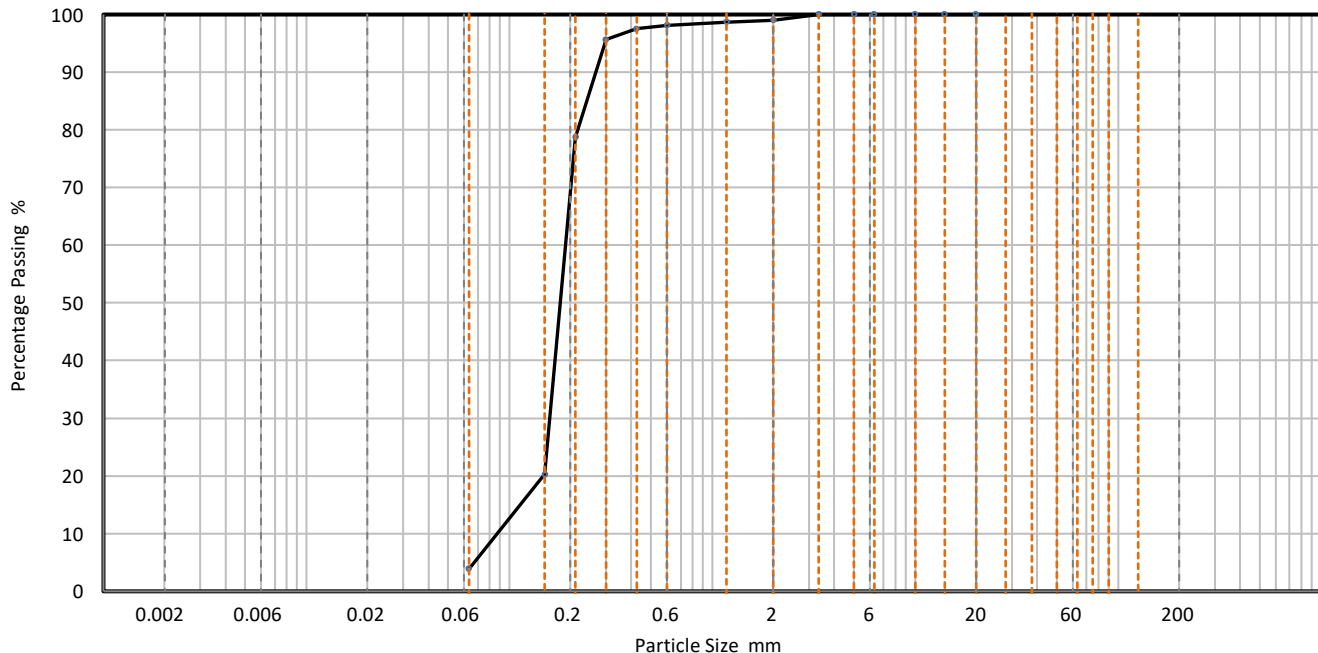
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                         |
|----------------|--------|------------------|-----------------------------------------|
| Hole           | BH-101 | Lab sample ID    | G2MT2025110536                          |
| Depth (Top) m  | 5.30   | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) m |        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 98        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 96        |                  |           |
| 0.212            | 79        |                  |           |
| 0.15             | 20        |                  |           |
| 0.063            | 4         |                  |           |

Dry Mass of sample, g

966

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.0        |
| Sand               | 95.0       |
|                    |            |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.2 |
| Curvature Coefficient  | 1.5 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 13:56 |



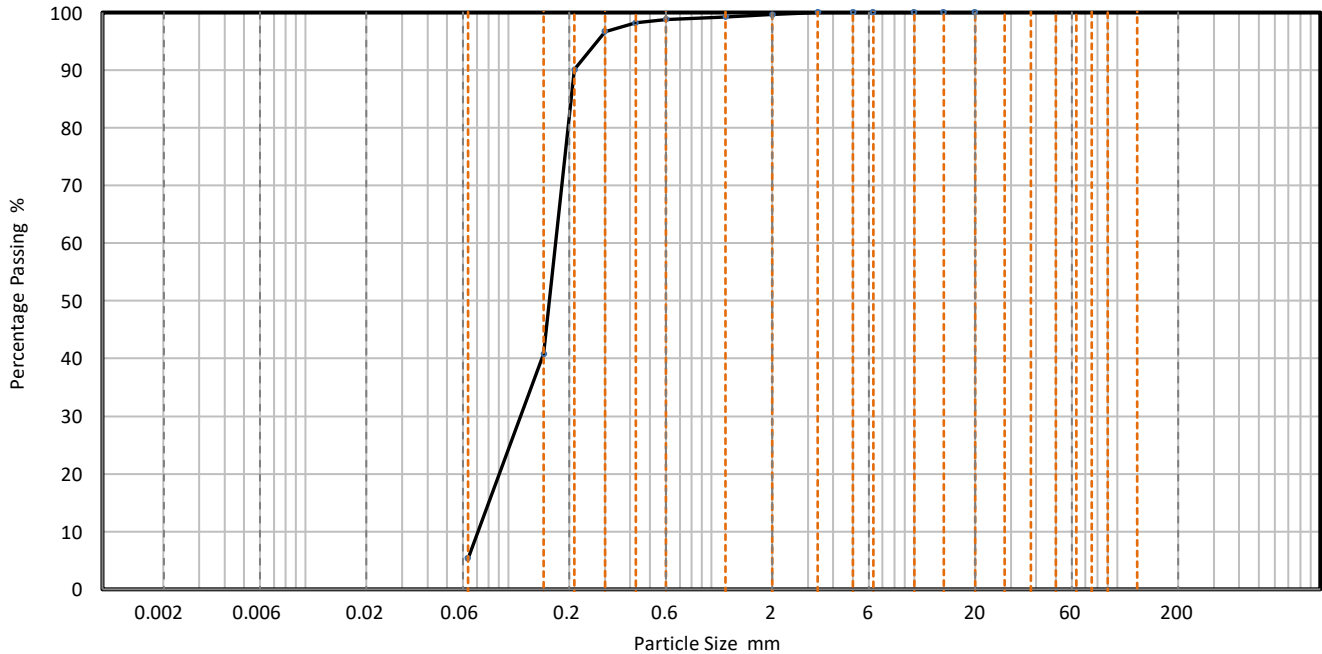
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                              |
|--------------|---------|------------------|----------------------------------------------|
| Hole         | BH-101  | Lab sample ID    | G2MT2025110537                               |
| Depth (Top)  | m -9.30 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m       | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B       |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 97        |                  |           |
| 0.212            | 90        |                  |           |
| 0.15             | 41        |                  |           |
| 0.063            | 5         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 862 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.4        |
| Sand               | 94.1       |
| Fines <0.063mm     | 5.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.172  |
| D30                    | mm 0.115  |
| D10                    | mm 0.0705 |
| Uniformity Coefficient | 2.4       |
| Curvature Coefficient  | 1.1       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:25 |

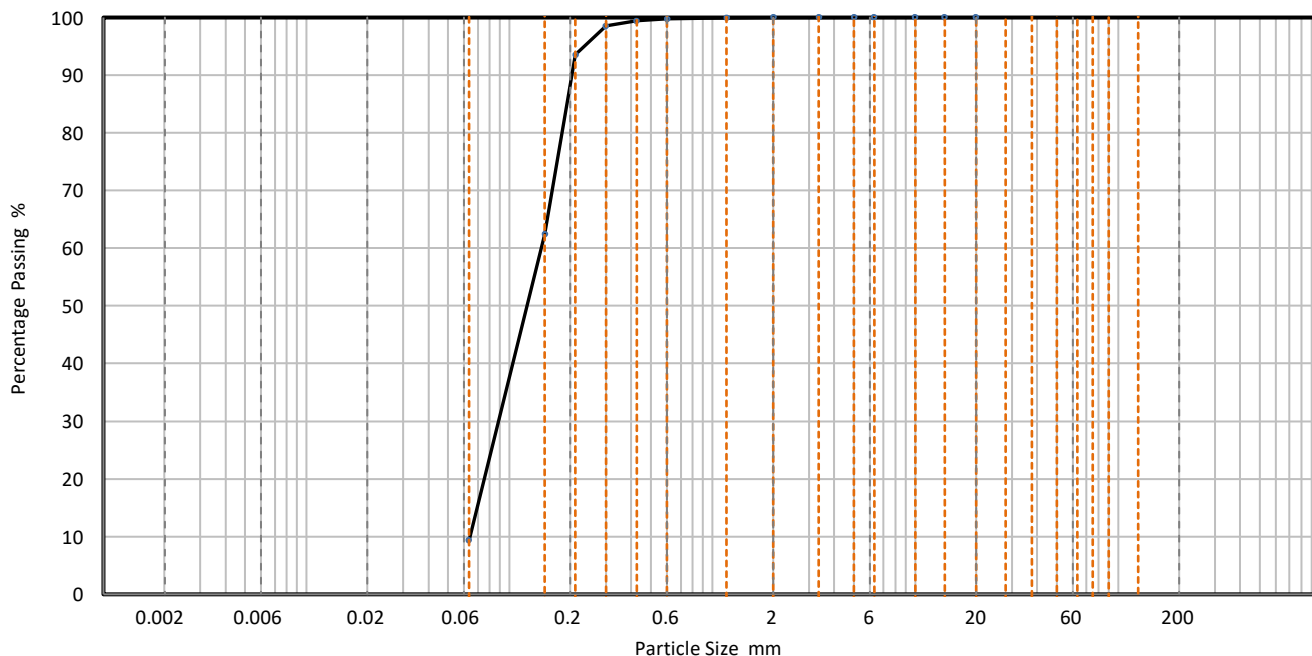
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-101 | Lab sample ID    | G2MT2025110538                |
| Depth (Top) m  | -17.30 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 94        |                  |           |
| 0.15             | 62        |                  |           |
| 0.063            | 9         |                  |           |

Dry Mass of sample, g

809

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 90.5       |
|                    |            |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:27 |

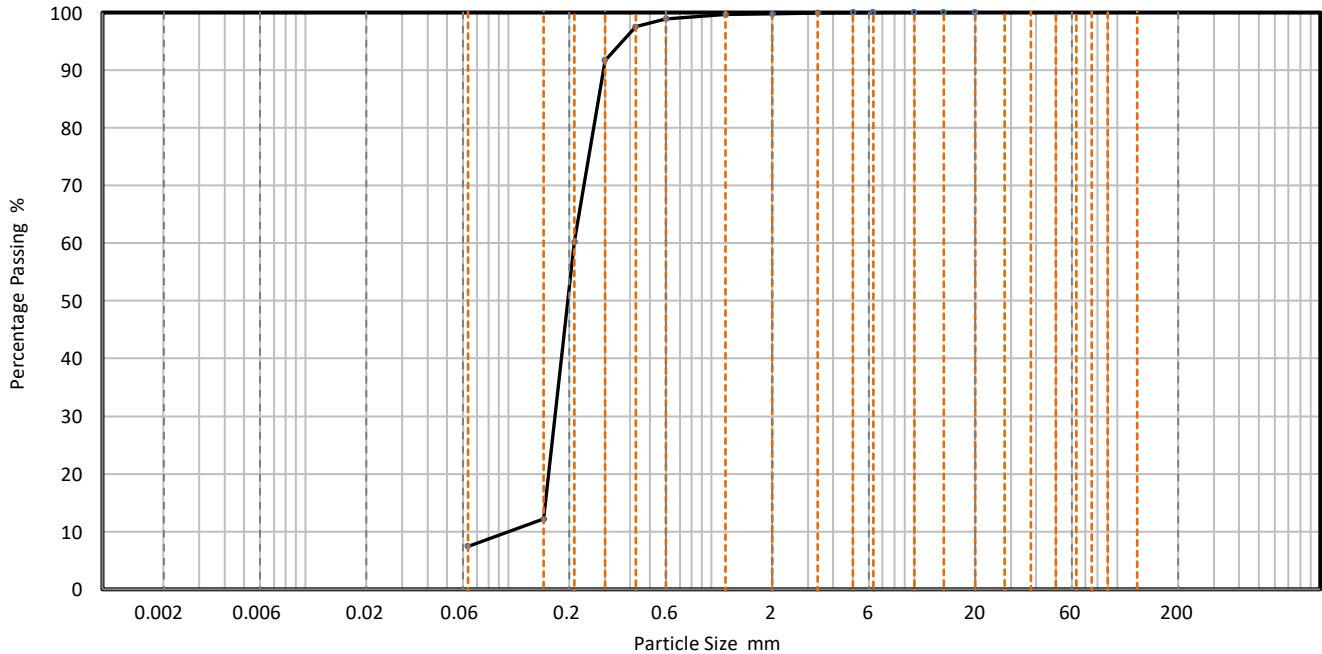
# PARTICLE SIZE DISTRIBUTION

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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |   |        |                  |                                              |
|--------------|---|--------|------------------|----------------------------------------------|
| Hole         |   | BH-102 | Lab sample ID    | G2MT2025110560                               |
| Depth (Top)  | m | -1.50  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m |        | Soil Description | Very slightly Gravelly, Slightly Silty, SAND |
| Sample type  |   | D      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 92        |                  |           |
| 0.212            | 60        |                  |           |
| 0.15             | 12        |                  |           |
| 0.063            | 8         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 322 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.3        |
| Sand               | 92.3       |
| Fines <0.063mm     | 7.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.1 |
| Curvature Coefficient  | 1.4 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 13:29 |

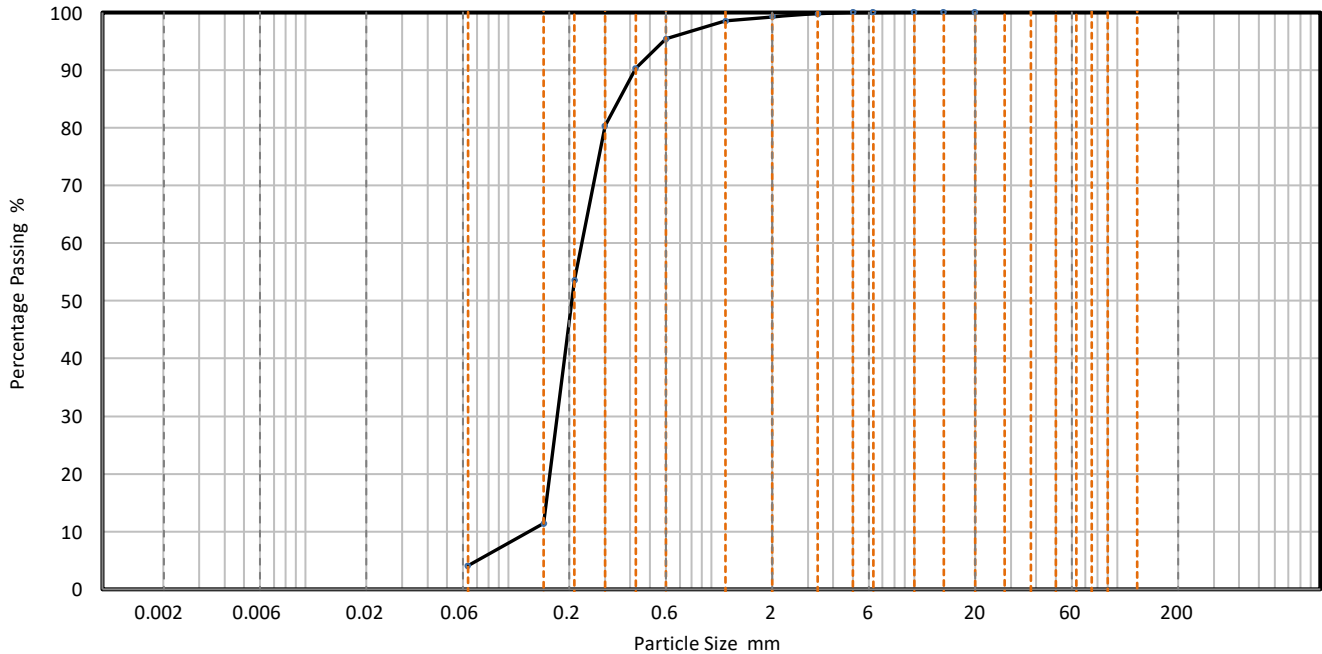
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |        |                  |                                              |
|--------------|--------|------------------|----------------------------------------------|
| Hole         | BH-102 | Lab sample ID    | G2MT2025110558                               |
| Depth (Top)  | m 3.50 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m      | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 95        |                  |           |
| 0.425            | 90        |                  |           |
| 0.3              | 80        |                  |           |
| 0.212            | 54        |                  |           |
| 0.15             | 11        |                  |           |
| 0.063            | 4         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 916 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.8        |
| Sand               | 95.2       |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |          |
|------------------------|----------|
| D100                   | mm 0.231 |
| D60                    | mm 0.175 |
| D30                    | mm 0.127 |
| D10                    | mm 1.8   |
| Uniformity Coefficient | 1        |
| Curvature Coefficient  |          |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 13:59 |

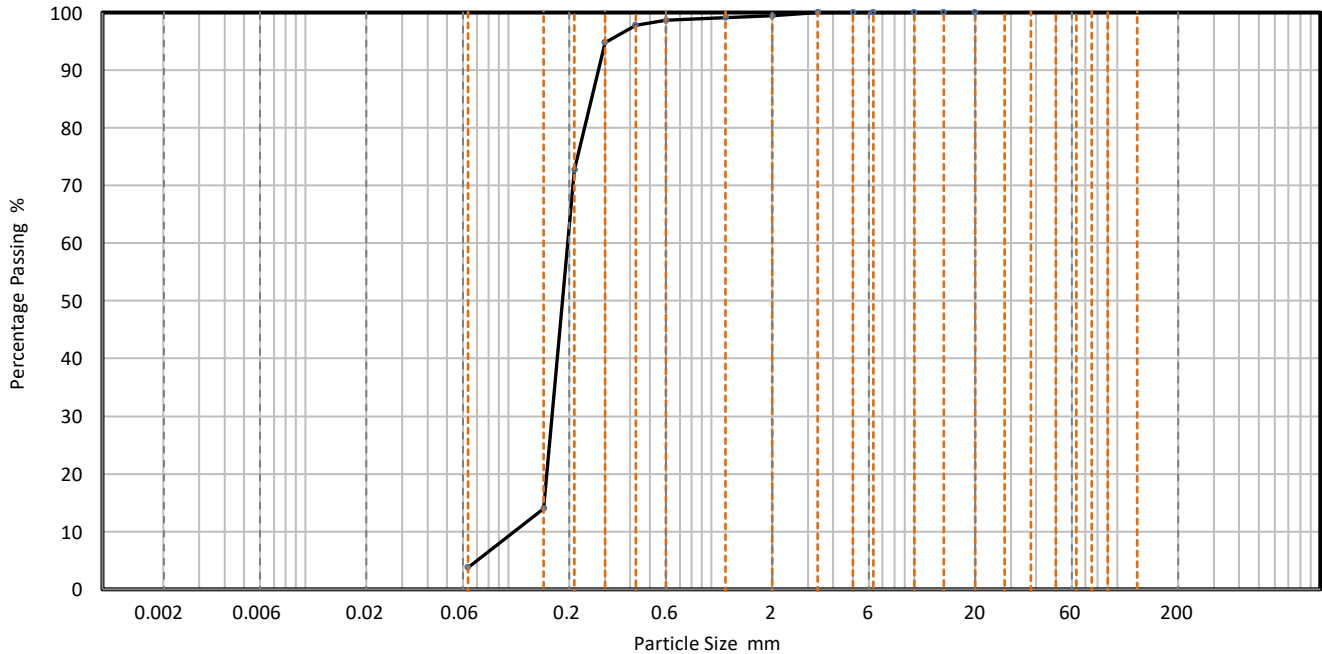
# PARTICLE SIZE DISTRIBUTION

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12-16 Yarm Road  
Stockton on Tees  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                              |
|--------------|---------|------------------|----------------------------------------------|
| Hole         | BH-102  | Lab sample ID    | G2MT2025110561                               |
| Depth (Top)  | m -4.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m       | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B       |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 95        |                  |           |
| 0.212            | 73        |                  |           |
| 0.15             | 14        |                  |           |
| 0.063            | 4         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 841 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.6        |
| Sand               | 95.6       |
|                    |            |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |          |
|------------------------|----------|
| D100                   | mm       |
| D60                    | mm 0.197 |
| D30                    | mm 0.165 |
| D10                    | mm 0.106 |
| Uniformity Coefficient | 1.8      |
| Curvature Coefficient  | 1.3      |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:30 |

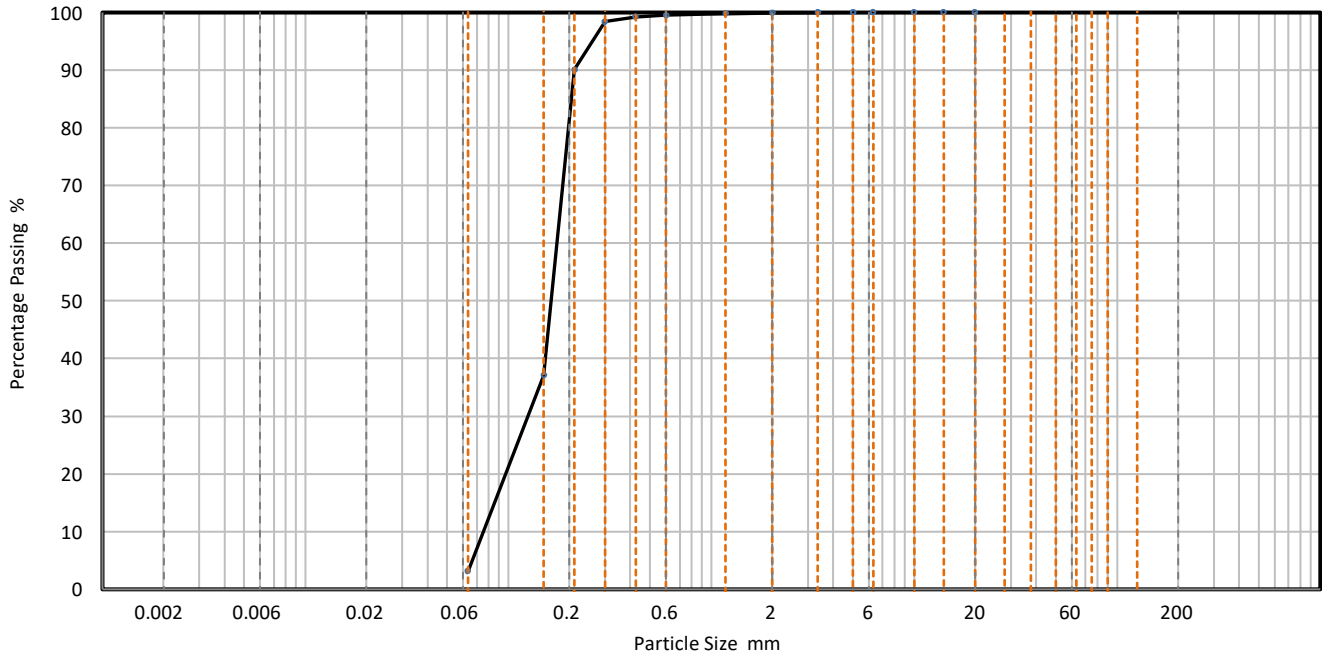
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                              |
|--------------|----------|------------------|----------------------------------------------|
| Hole         | BH-102   | Lab sample ID    | G2MT2025110564                               |
| Depth (Top)  | m -12.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B        |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 90        |                  |           |
| 0.15             | 37        |                  |           |
| 0.063            | 3         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 800 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 96.7       |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.3 |
| Curvature Coefficient  | 1.2 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

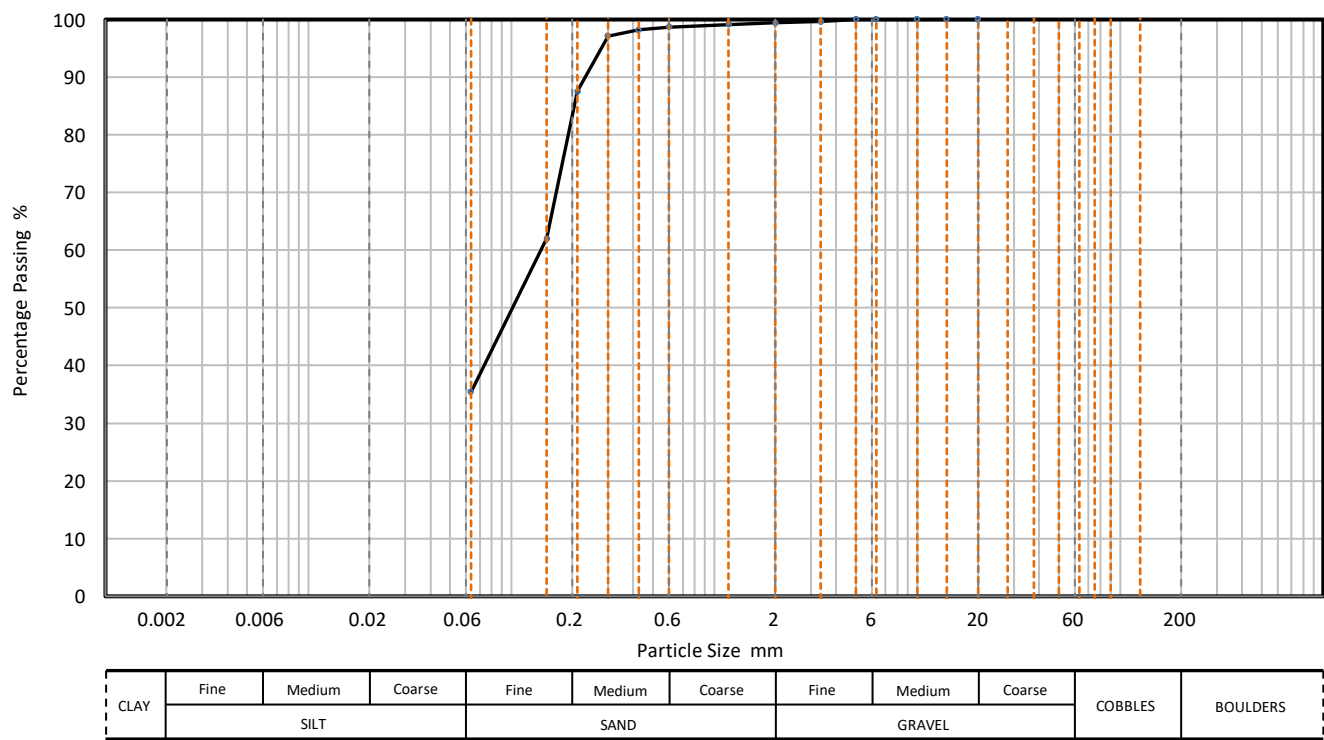
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:00 |

|                                                        |            |                                                                                                                    |           |
|--------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|-----------|
| <h1 style="margin: 0;">PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                                              | Job number |                                                                                                                    |           |
| Marine GI - Ardersier Port                             | S250403    |                                                                                                                    |           |

|              |         |                  |                                     |
|--------------|---------|------------------|-------------------------------------|
| Hole         | BH-106  | Lab sample ID    | G2MT2025101467                      |
| Depth (Top)  | m -7.91 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2       |
| Depth (Base) | m       | Soil Description | Slightly Gravelly, Very Clayey SAND |
| Sample type  | B       |                  |                                     |



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 97        |                  |           |
| 0.212            | 88        |                  |           |
| 0.15             | 62        |                  |           |
| 0.063            | 35        |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1194 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.6        |
| Sand               | 64.0       |
| Fines <0.063mm     | 35.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**  
 Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 13/01/2026 12:53 |

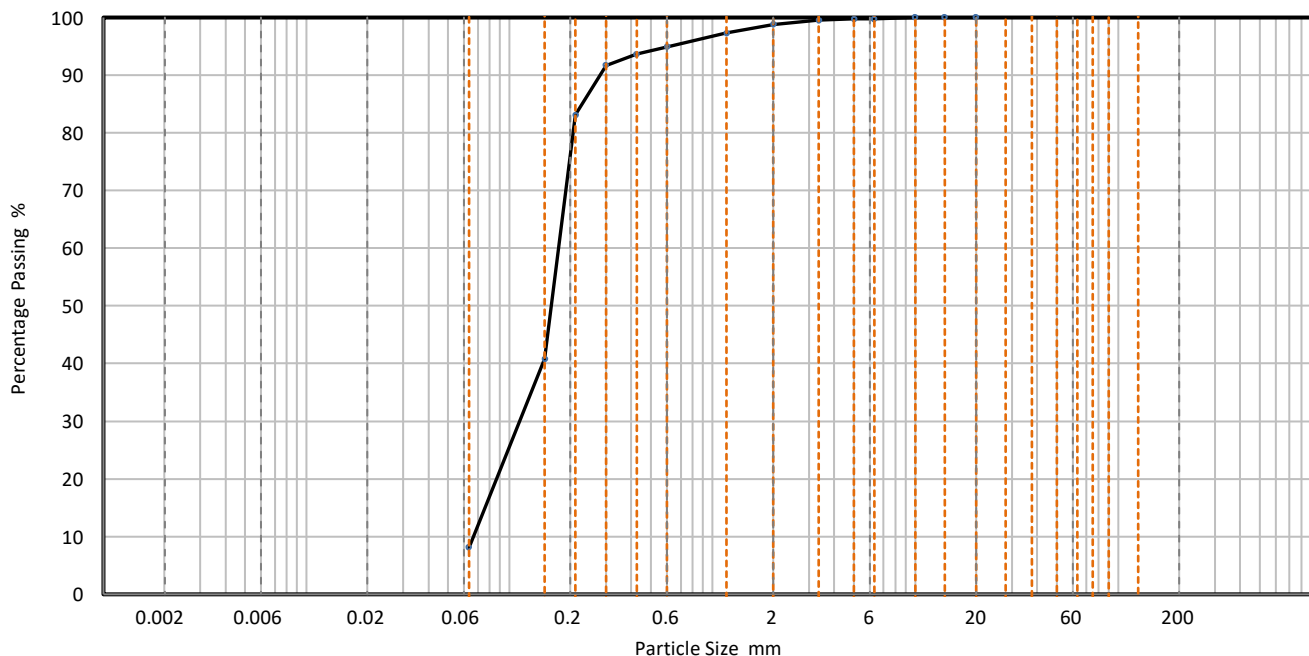
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                         |
|--------------|----------|------------------|-----------------------------------------|
| Hole         | BH-106   | Lab sample ID    | G2MT2025101468                          |
| Depth (Top)  | m -12.41 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  | B        |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 97        |                  |           |
| 0.6              | 95        |                  |           |
| 0.425            | 94        |                  |           |
| 0.3              | 92        |                  |           |
| 0.212            | 83        |                  |           |
| 0.15             | 41        |                  |           |
| 0.063            | 8         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 756 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.2        |
| Sand               | 90.6       |
|                    |            |
| Fines <0.063mm     | 8.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.176  |
| D30                    | mm 0.113  |
| D10                    | mm 0.0662 |
| Uniformity Coefficient | 2.7       |
| Curvature Coefficient  | 1.1       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 11:31 |



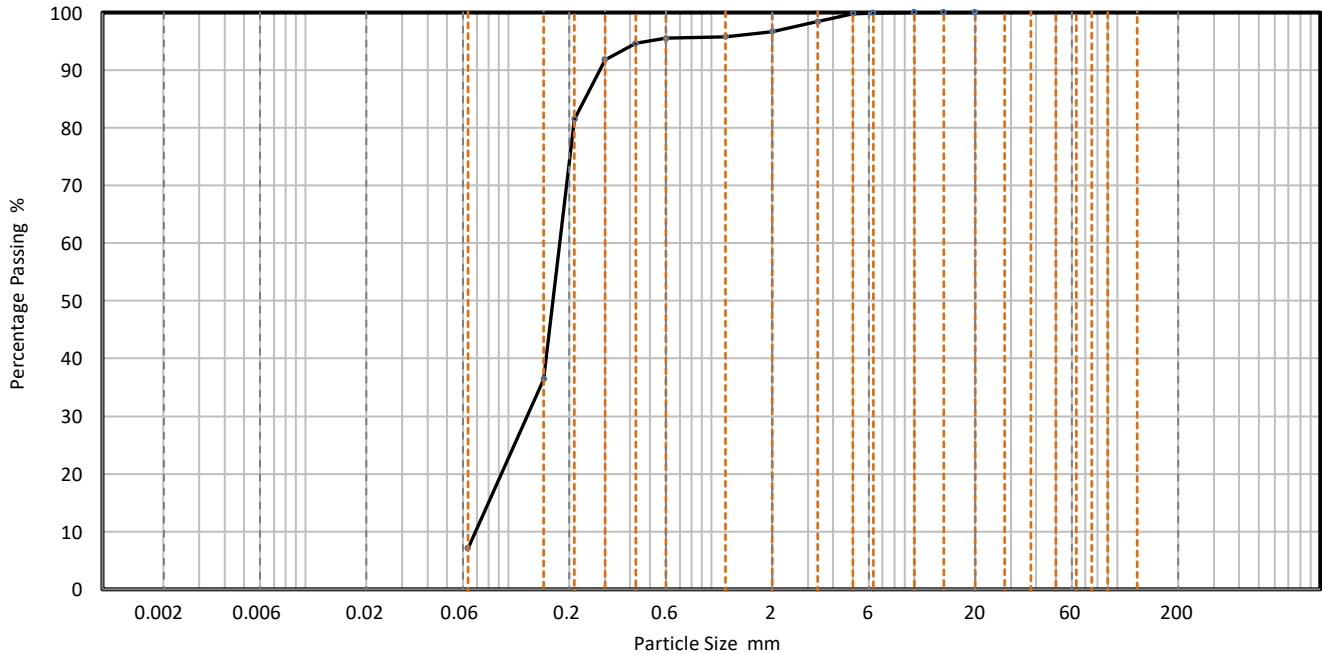
# PARTICLE SIZE DISTRIBUTION

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12-16 Yarm Road  
Stockton on Tees  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |   |        |                  |                                         |
|--------------|---|--------|------------------|-----------------------------------------|
| Hole         |   | BH-106 | Lab sample ID    | G2MT2025101469                          |
| Depth (Top)  | m | -13.91 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m |        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 98        |                  |           |
| 2                | 97        |                  |           |
| 1.18             | 96        |                  |           |
| 0.6              | 96        |                  |           |
| 0.425            | 95        |                  |           |
| 0.3              | 92        |                  |           |
| 0.212            | 82        |                  |           |
| 0.15             | 36        |                  |           |
| 0.063            | 7         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 931 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 3.3        |
| Sand               | 89.5       |
| Fines <0.063mm     | 7.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.6 |
| Curvature Coefficient  | 1.3 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 11:39 |

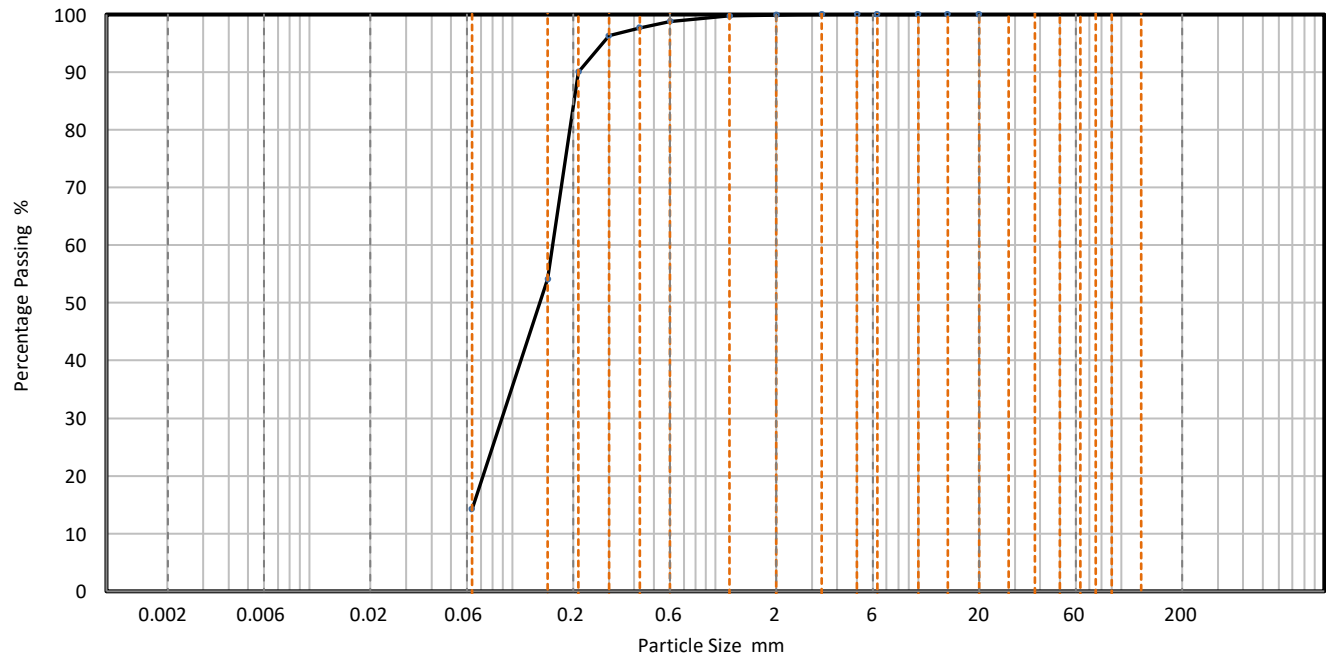
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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01642 033318  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                |
|----------------|--------|------------------|--------------------------------|
| Hole           | BH-106 | Lab sample ID    | G2MT2025101470                 |
| Depth (Top) m  | -16.91 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2  |
| Depth (Base) m |        | Soil Description | Slightly Gravelly, Clayey SAND |
| Sample type    | B      |                  |                                |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 96        |                  |           |
| 0.212            | 90        |                  |           |
| 0.15             | 54        |                  |           |
| 0.063            | 14        |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 795 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 85.6       |
| Fines <0.063mm     | 14.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 13/01/2026 12:53 |

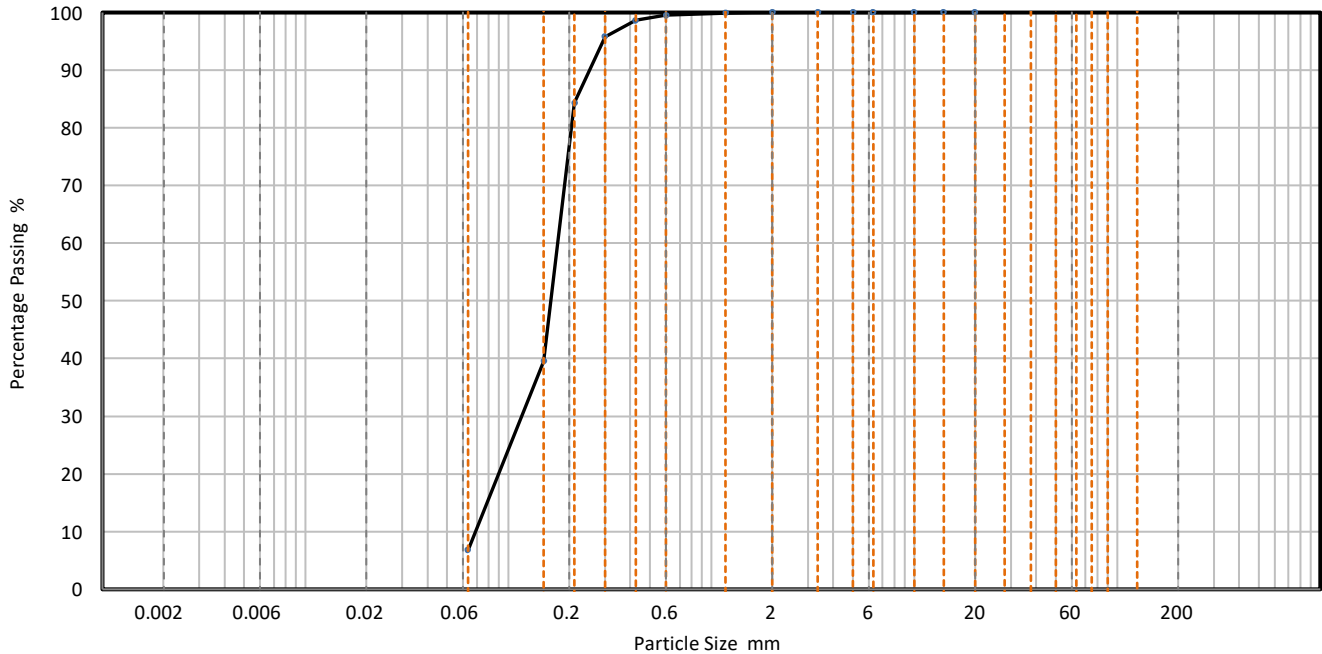
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                               |
|--------------|----------|------------------|-------------------------------|
| Hole         | BH-106   | Lab sample ID    | G2MT2025101471                |
| Depth (Top)  | m -21.41 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m        | Soil Description | Slightly Silty, SAND          |
| Sample type  | B        |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 96        |                  |           |
| 0.212            | 84        |                  |           |
| 0.15             | 40        |                  |           |
| 0.063            | 7         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 872 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 93.2       |
| Fines <0.063mm     | 7.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.176  |
| D30                    | mm 0.117  |
| D10                    | mm 0.0685 |
| Uniformity Coefficient | 2.6       |
| Curvature Coefficient  | 1.1       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 10:15 |

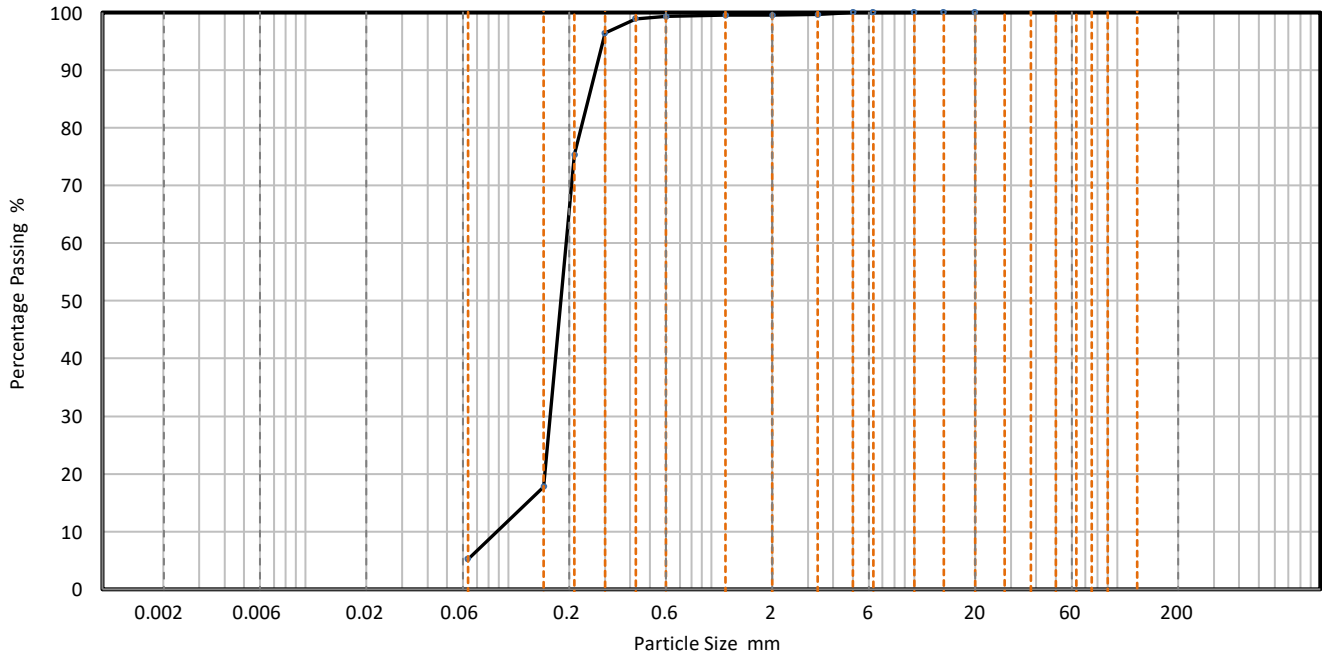
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | BH-107 | Lab sample ID    | G2MT2025101457                               |
| Depth (Top) m  | -0.10  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 96        |                  |           |
| 0.212            | 75        |                  |           |
| 0.15             | 18        |                  |           |
| 0.063            | 5         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 997 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.5        |
| Sand               | 94.3       |
| Fines <0.063mm     | 5.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

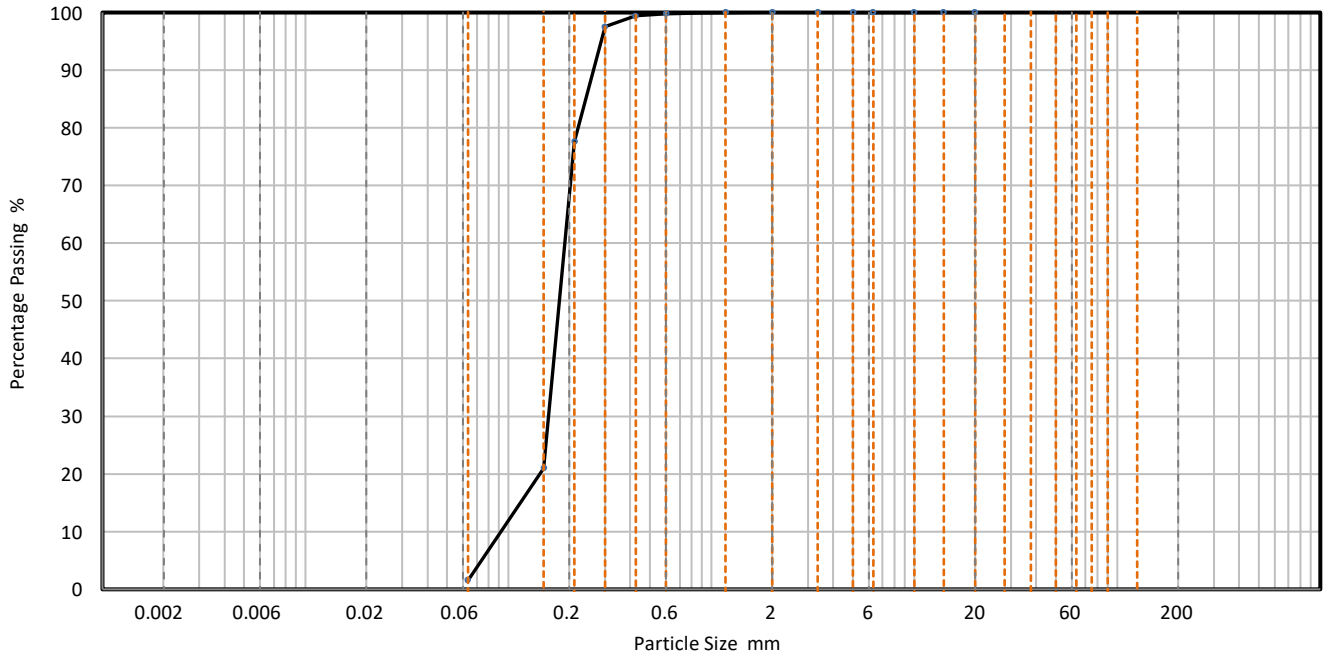
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/10/2025 10:24 |

|                                     |            |                                                                                                                                                                                                                |                                                                                    |
|-------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <h1>PARTICLE SIZE DISTRIBUTION</h1> |            | <p>G2M Testing (Stockton)<br/>         12-16 Yarm Road<br/>         Stockton on Tees<br/>         TS18 3NA<br/>         01642 033318<br/> <a href="mailto:info@g2mtesting.co.uk">info@g2mtesting.co.uk</a></p> |  |
| Site name                           | Job number |                                                                                                                                                                                                                |                                                                                    |
| Marine GI - Ardersier Port          | S250403    |                                                                                                                                                                                                                |                                                                                    |

|              |   |        |                  |                               |
|--------------|---|--------|------------------|-------------------------------|
| Hole         |   | BH-107 | Lab sample ID    | G2MT2025101458                |
| Depth (Top)  | m | -5.50  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m |        | Soil Description | Slightly Silty, SAND          |
| Sample type  |   | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 78        |                  |           |
| 0.15             | 21        |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

1152

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 98.4       |
|                    |            |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |    |        |
|------------------------|----|--------|
| D100                   | mm |        |
| D60                    | mm | 0.19   |
| D30                    | mm | 0.158  |
| D10                    | mm | 0.0916 |
| Uniformity Coefficient |    | 2.1    |
| Curvature Coefficient  |    | 1.4    |

| Remarks |
|---------|
|---------|

Preparation and testing in accordance with test method unless noted below

### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/10/2025 10:26 |

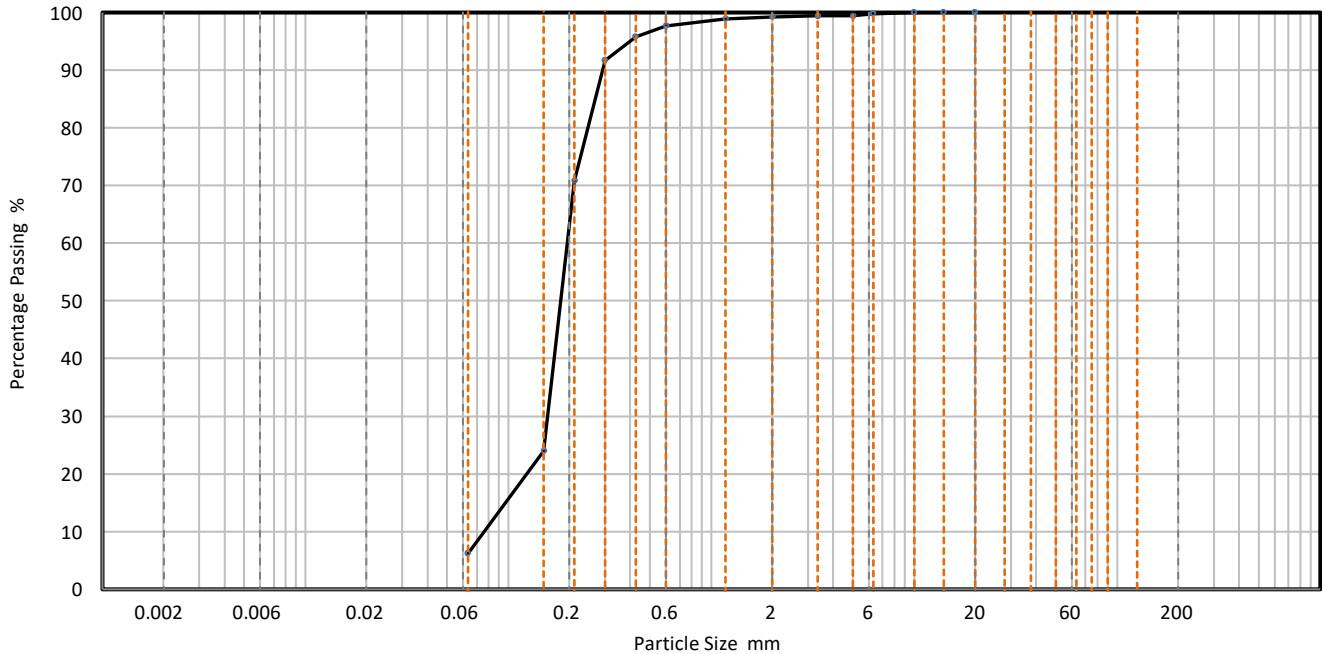
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                              |
|--------------|----------|------------------|----------------------------------------------|
| Hole         | BH-107   | Lab sample ID    | G2MT2025101459                               |
| Depth (Top)  | m -10.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B        |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 99        |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 98        |                  |           |
| 0.425            | 96        |                  |           |
| 0.3              | 92        |                  |           |
| 0.212            | 71        |                  |           |
| 0.15             | 24        |                  |           |
| 0.063            | 6         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 811 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.8        |
| Sand               | 92.9       |
|                    |            |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.6 |
| Curvature Coefficient  | 1.7 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 11:26 |

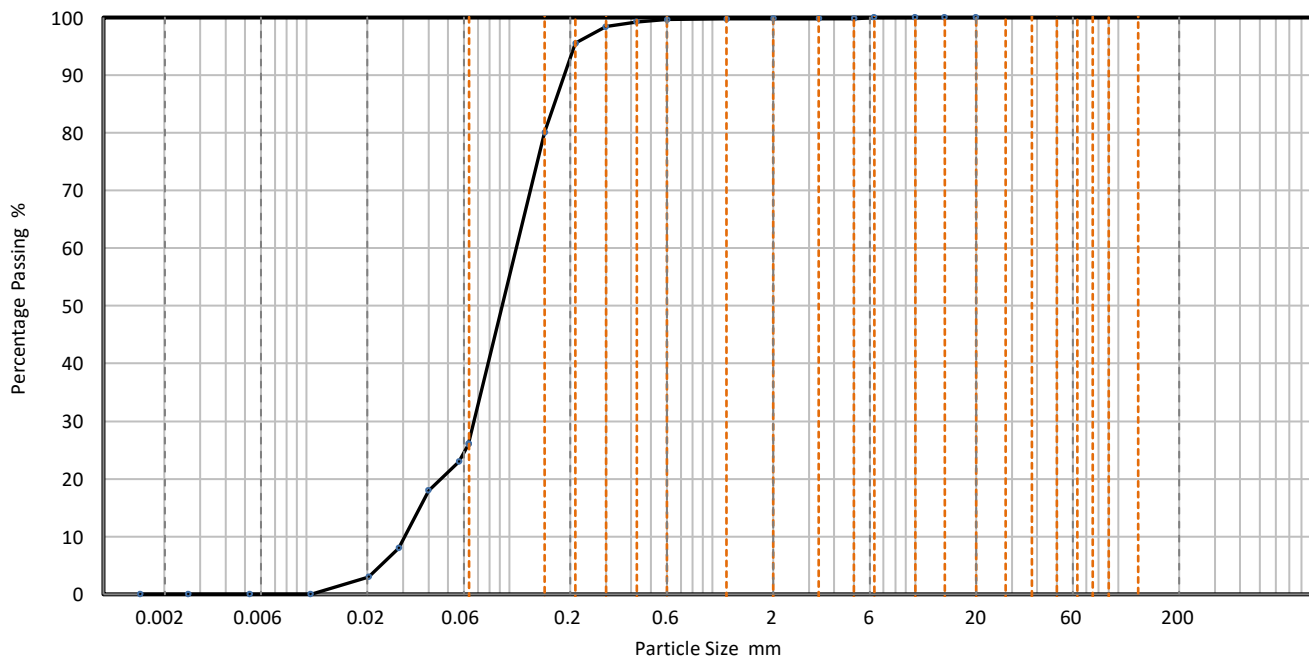
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                         |
|--------------|----------|------------------|-----------------------------------------|
| Hole         | BH-107   | Lab sample ID    | G2MT2025101460                          |
| Depth (Top)  | m -17.50 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5  |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, very Silty,SAND |
| Sample type  | B        |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 26        |
|                  |           | 0.0565                                   | 23        |
|                  |           | 0.0401                                   | 18        |
|                  |           | 0.0286                                   | 8         |
|                  |           | 0.0203                                   | 3         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 98        |                                          |           |
| 0.212            | 96        |                                          |           |
| 0.15             | 80        |                                          |           |
| 0.063            | 26        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 661 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.2        |
| Sand               | 73.7       |
| Silt               | 26.1       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.109  |
| D30                    | mm 0.0671 |
| D10                    | mm 0.0307 |
| Uniformity Coefficient | 3.5       |
| Curvature Coefficient  | 1.3       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

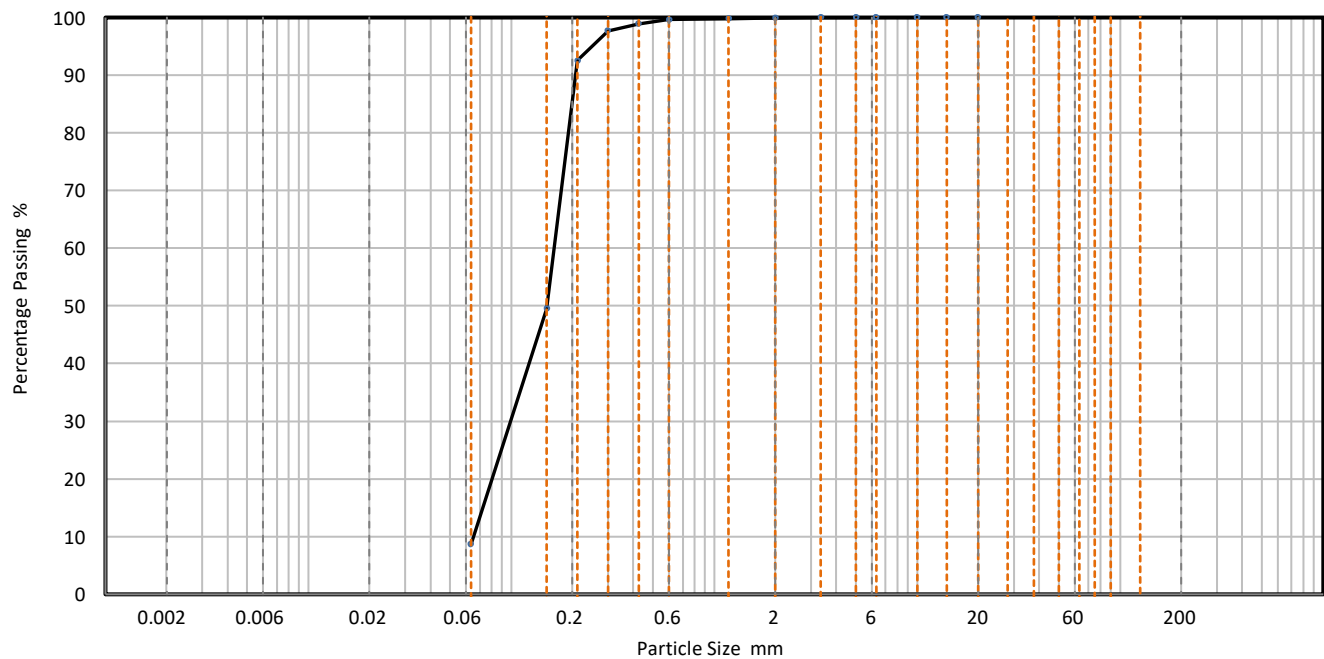
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:44 |

|                                     |            |                                                                                                                    |                                                                                             |
|-------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <h1>PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                           | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port          | S250403    |                                                                                                                    |                                                                                             |

|              |   |        |                  |                                              |
|--------------|---|--------|------------------|----------------------------------------------|
| Hole         |   | BH-107 | Lab sample ID    | G2MT2025101461                               |
| Depth (Top)  | m | -19.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 93        |                  |           |
| 0.15             | 50        |                  |           |
| 0.063            | 9         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 816 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 91.1       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 2.5  |
| Curvature Coefficient  | 0.93 |

**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**  
 Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 11:49 |



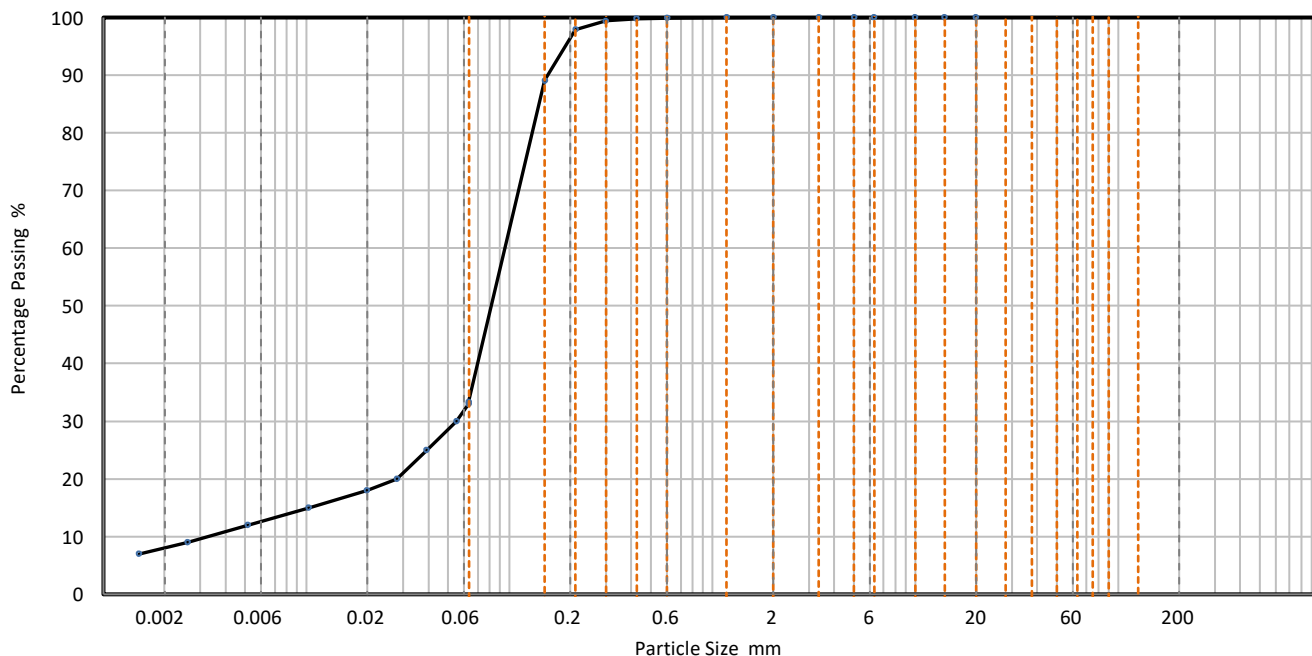
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-107   | Lab sample ID    | G2MT2025101462                         |
| Depth (Top)  | m -24.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Clayey, very Silty, SAND      |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 33        |
|                  |           | 0.0550                                   | 30        |
|                  |           | 0.0392                                   | 25        |
|                  |           | 0.0280                                   | 20        |
|                  |           | 0.0198                                   | 18        |
|                  |           | 0.0103                                   | 15        |
|                  |           | 0.0052                                   | 12        |
| 20               | 100       | 0.0026                                   | 9         |
| 14               | 100       | 0.0015                                   | 7         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 98        |                                          |           |
| 0.15             | 89        |                                          |           |
| 0.063            | 33        |                                          |           |

Dry Mass of sample, g

772

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 66.7       |
| Silt               | 25.3       |
| Clay               | 8.0        |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0954  |
| D30                    | mm 0.0536  |
| D10                    | mm 0.00355 |
| Uniformity Coefficient | 27         |
| Curvature Coefficient  | 8.5        |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:51 |

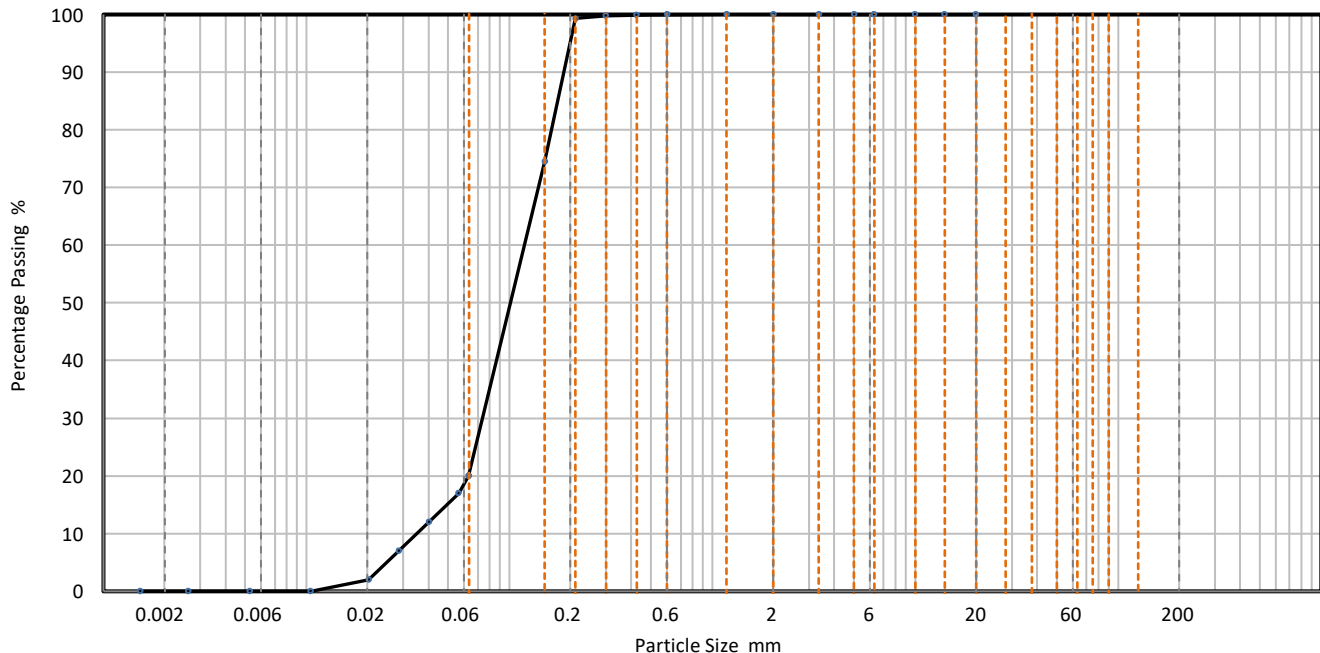
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-108   | Lab sample ID    | G2MT2025091998                         |
| Depth (Top)  | m -11.20 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Silty, SAND                            |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 20        |
|                  |           | 0.0565                                   | 17        |
|                  |           | 0.0402                                   | 12        |
|                  |           | 0.0286                                   | 7         |
|                  |           | 0.0203                                   | 2         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 100       |                                          |           |
| 0.212            | 99        |                                          |           |
| 0.15             | 75        |                                          |           |
| 0.063            | 20        |                                          |           |

Dry Mass of sample, g

702

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 80.0       |
| Silt               | 20.0       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.119  |
| D30                    | mm 0.0739 |
| D10                    | mm 0.0351 |
| Uniformity Coefficient | 3.4       |
| Curvature Coefficient  | 1.3       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

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|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 13:19 |

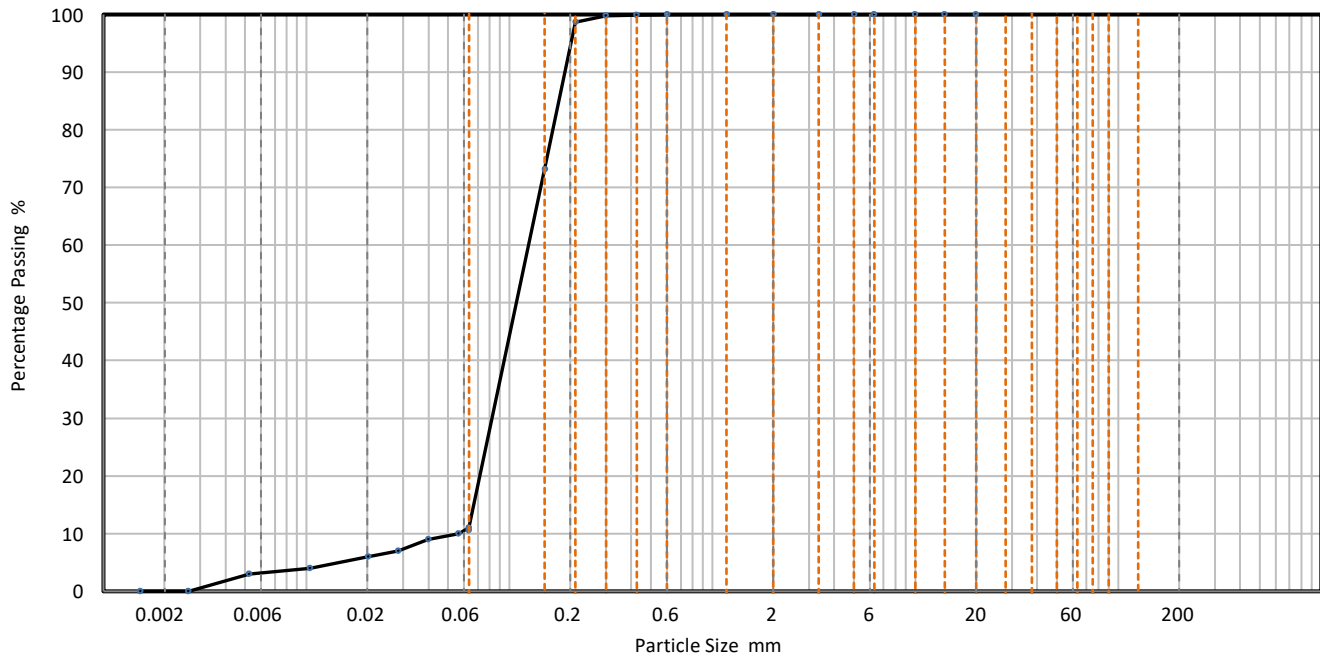
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-108   | Lab sample ID    | G2MT20250919100                        |
| Depth (Top)  | m -14.20 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Silty, SAND                            |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 11        |
|                  |           | 0.0564                                   | 10        |
|                  |           | 0.0400                                   | 9         |
|                  |           | 0.0284                                   | 7         |
|                  |           | 0.0201                                   | 6         |
|                  |           | 0.0104                                   | 4         |
|                  |           | 0.0052                                   | 3         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          | 0         |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 100       |                                          |           |
| 0.212            | 99        |                                          |           |
| 0.15             | 73        |                                          |           |
| 0.063            | 11        |                                          |           |

Dry Mass of sample, g

816

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 89.4       |
| Silt               | 10.6       |
| Clay               | 0.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

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|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 13:05 |

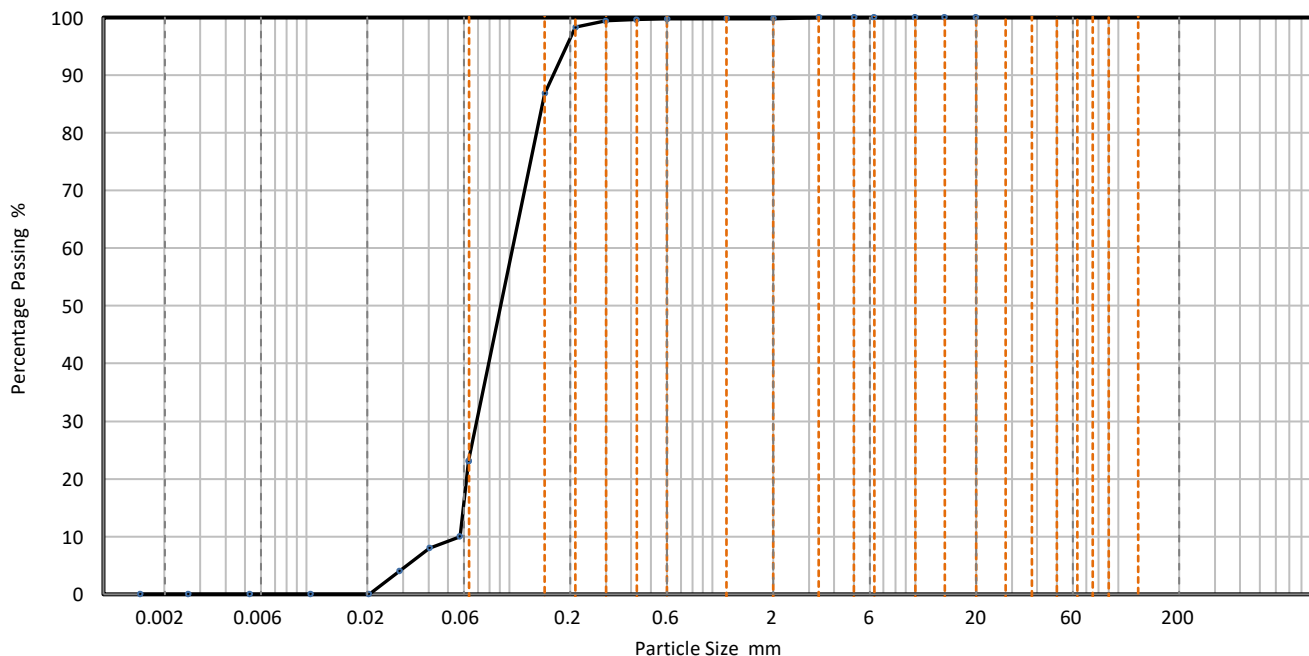
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-108   | Lab sample ID    | G2MT20250919101                        |
| Depth (Top)  | m -18.70 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, Silty, SAND    |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 23        |
|                  |           | 0.0573                                   | 10        |
|                  |           | 0.0405                                   | 8         |
|                  |           | 0.0287                                   | 4         |
|                  |           | 0.0204                                   | 0         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 98        |                                          |           |
| 0.15             | 87        |                                          |           |
| 0.063            | 23        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 675 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.2        |
| Sand               | 76.7       |
| Silt               | 23.1       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.104  |
| D30                    | mm 0.0692 |
| D10                    | mm 0.0574 |
| Uniformity Coefficient | 1.8       |
| Curvature Coefficient  | 0.8       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 13:18 |

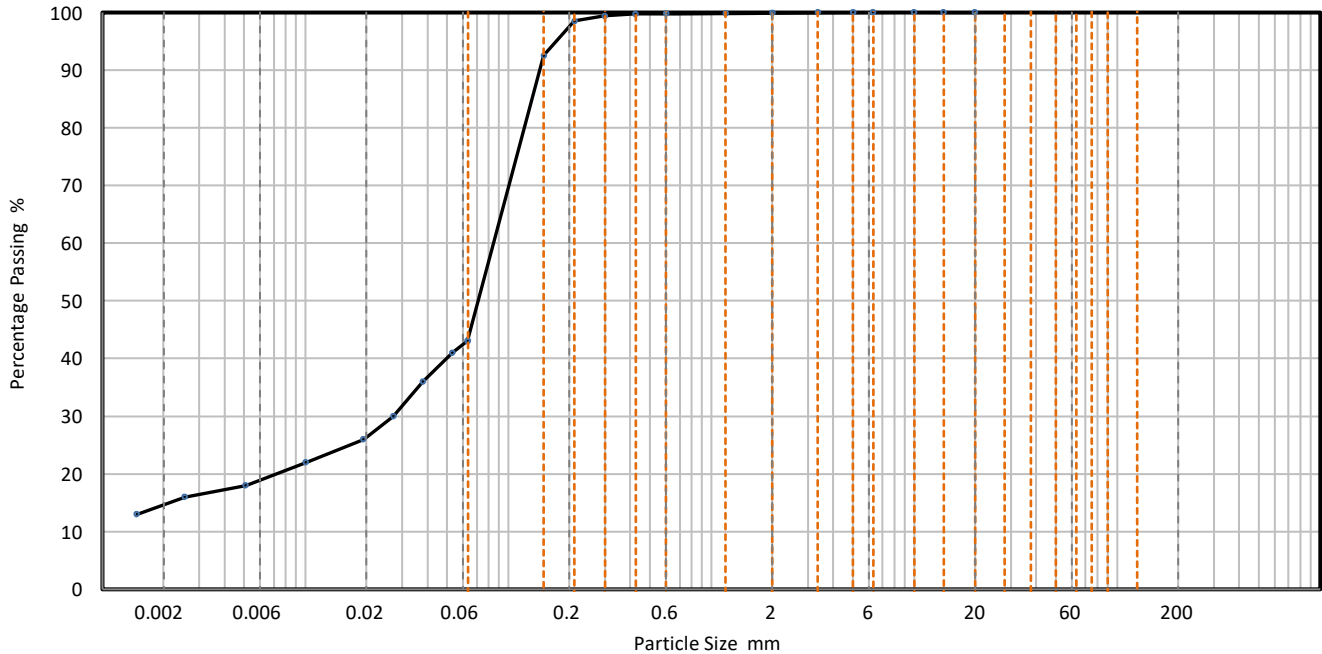
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                                  |
|--------------|----------|------------------|--------------------------------------------------|
| Hole         | BH-108   | Lab sample ID    | G2MT20250919104                                  |
| Depth (Top)  | m -29.20 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5           |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, Clayey, very Silty, SAND |
| Sample type  | B        |                  |                                                  |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 43        |
|                  |           | 0.0531                                   | 41        |
|                  |           | 0.0379                                   | 36        |
|                  |           | 0.0272                                   | 30        |
|                  |           | 0.0194                                   | 26        |
|                  |           | 0.0101                                   | 22        |
|                  |           | 0.0051                                   | 18        |
| 20               | 100       | 0.0026                                   | 16        |
| 14               | 100       | 0.0015                                   | 13        |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 99        |                                          |           |
| 0.15             | 93        |                                          |           |
| 0.063            | 43        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 856 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 56.8       |
| Silt               | 28.6       |
| Clay               | 14.5       |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.0848 |
| D30                    | mm 0.0274 |
| D10                    | mm        |
| Uniformity Coefficient |           |
| Curvature Coefficient  |           |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 13:13 |

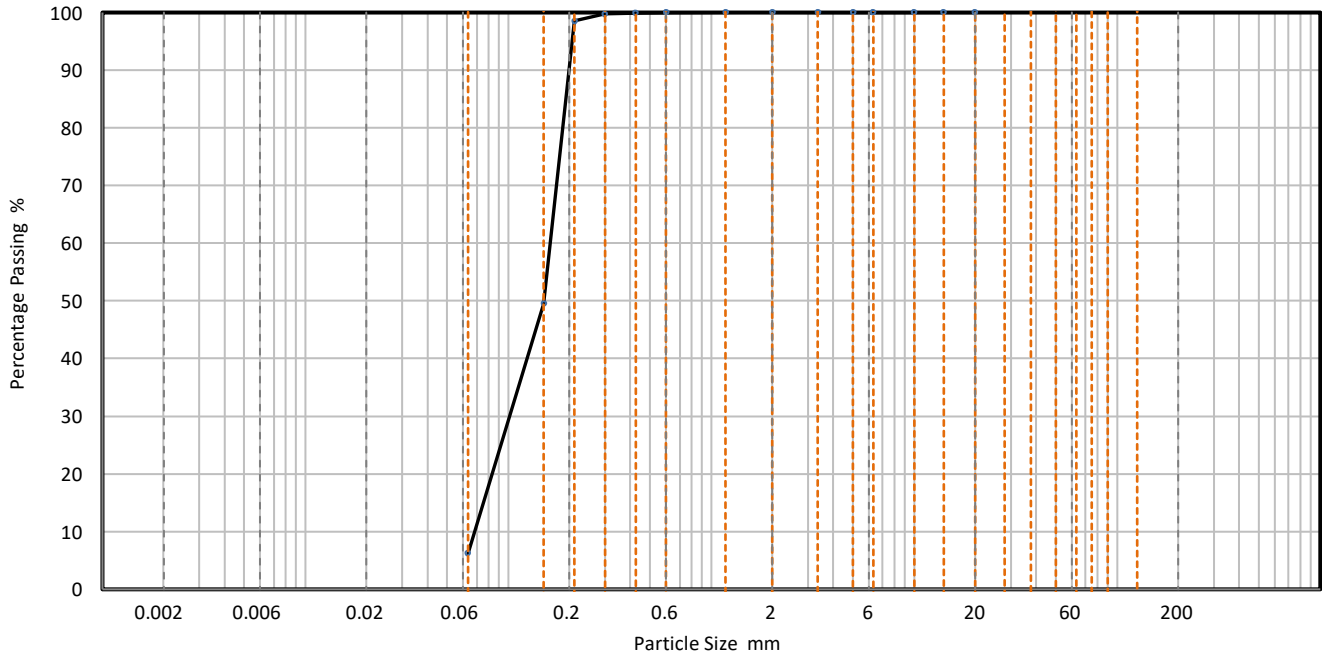
# PARTICLE SIZE DISTRIBUTION

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12-16 Yarm Road  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-109 | Lab sample ID    | G2MT2025101423                |
| Depth (Top) m  | -10.20 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 100       |                  |           |
| 0.212            | 99        |                  |           |
| 0.15             | 50        |                  |           |
| 0.063            | 6         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1050 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 93.7       |
|                    |            |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 2.4  |
| Curvature Coefficient  | 0.94 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 10:06 |



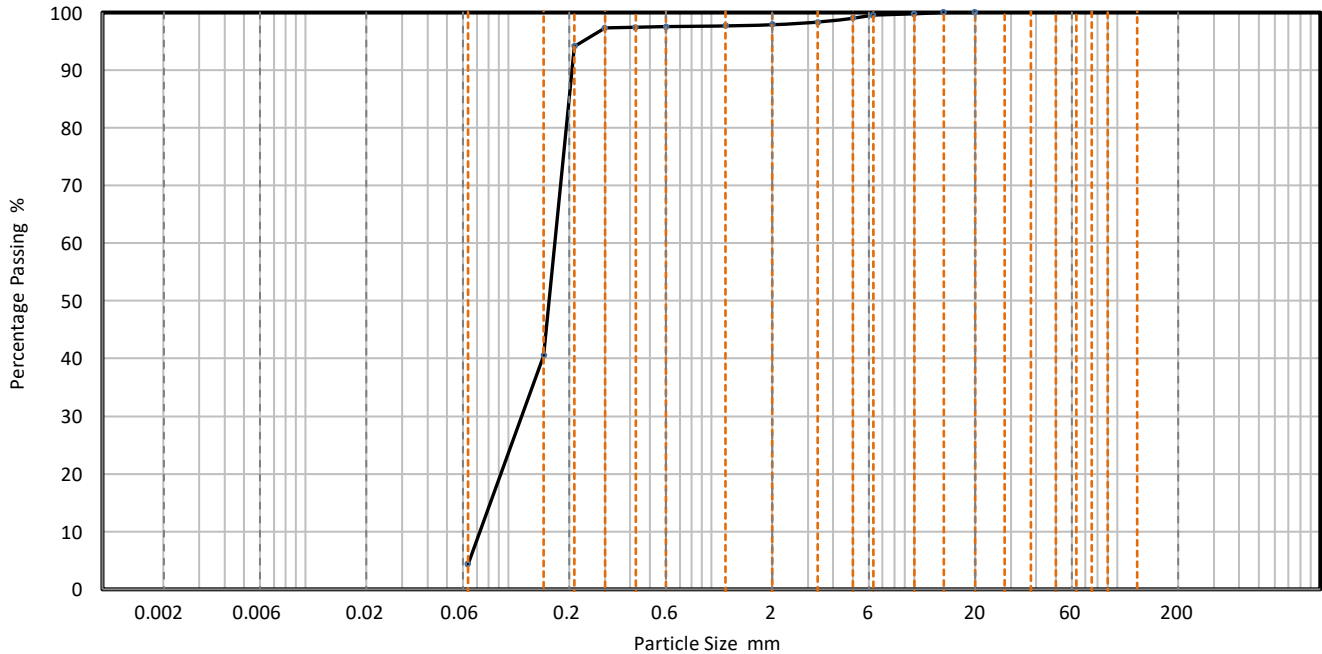
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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01642 033318  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                         |
|----------------|--------|------------------|-----------------------------------------|
| Hole           | BH-109 | Lab sample ID    | G2MT2025101425                          |
| Depth (Top) m  | -16.20 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) m |        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 99        |                  |           |
| 3.35             | 98        |                  |           |
| 2                | 98        |                  |           |
| 1.18             | 98        |                  |           |
| 0.6              | 98        |                  |           |
| 0.425            | 97        |                  |           |
| 0.3              | 97        |                  |           |
| 0.212            | 94        |                  |           |
| 0.15             | 41        |                  |           |
| 0.063            | 4         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 784 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 2.1        |
| Sand               | 93.5       |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 11:42 |





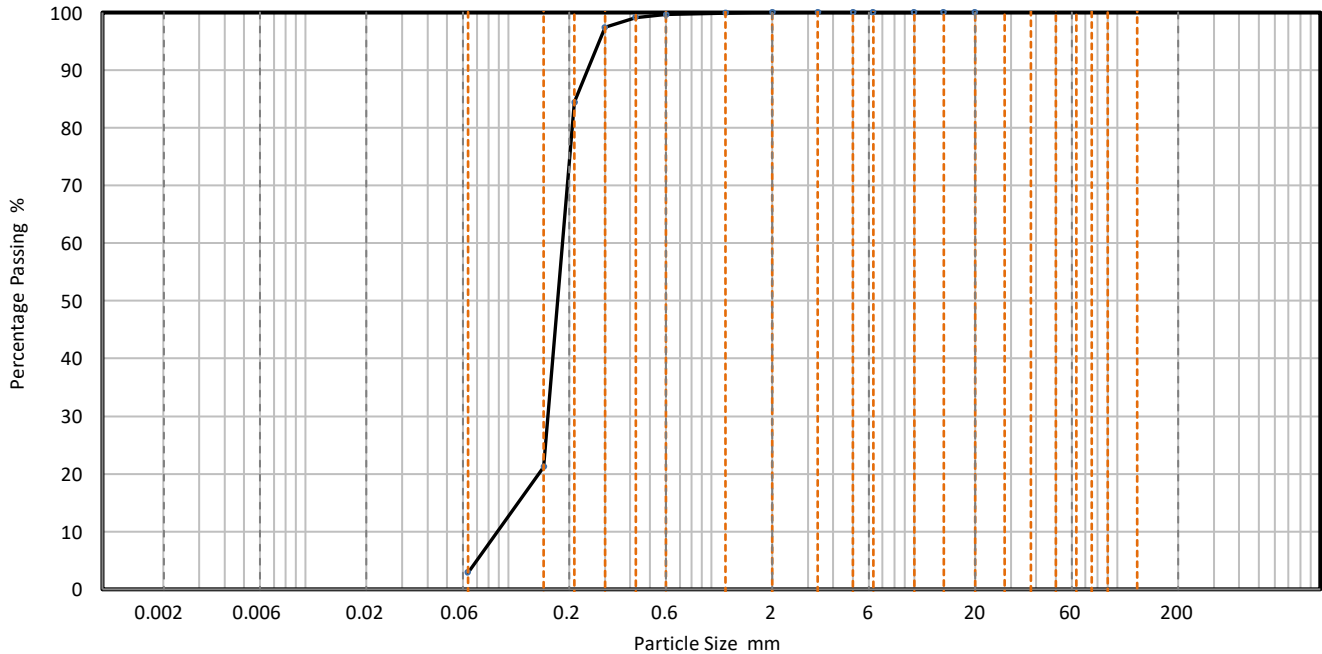
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                               |
|--------------|----------|------------------|-------------------------------|
| Hole         | BH-110   | Lab sample ID    | G2MT2025101475                |
| Depth (Top)  | m -11.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m        | Soil Description | Slightly Silty, SAND          |
| Sample type  | B        |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 97        |                  |           |
| 0.212            | 84        |                  |           |
| 0.15             | 21        |                  |           |
| 0.063            | 3         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1080 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 97.1       |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.1 |
| Curvature Coefficient  | 1.5 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

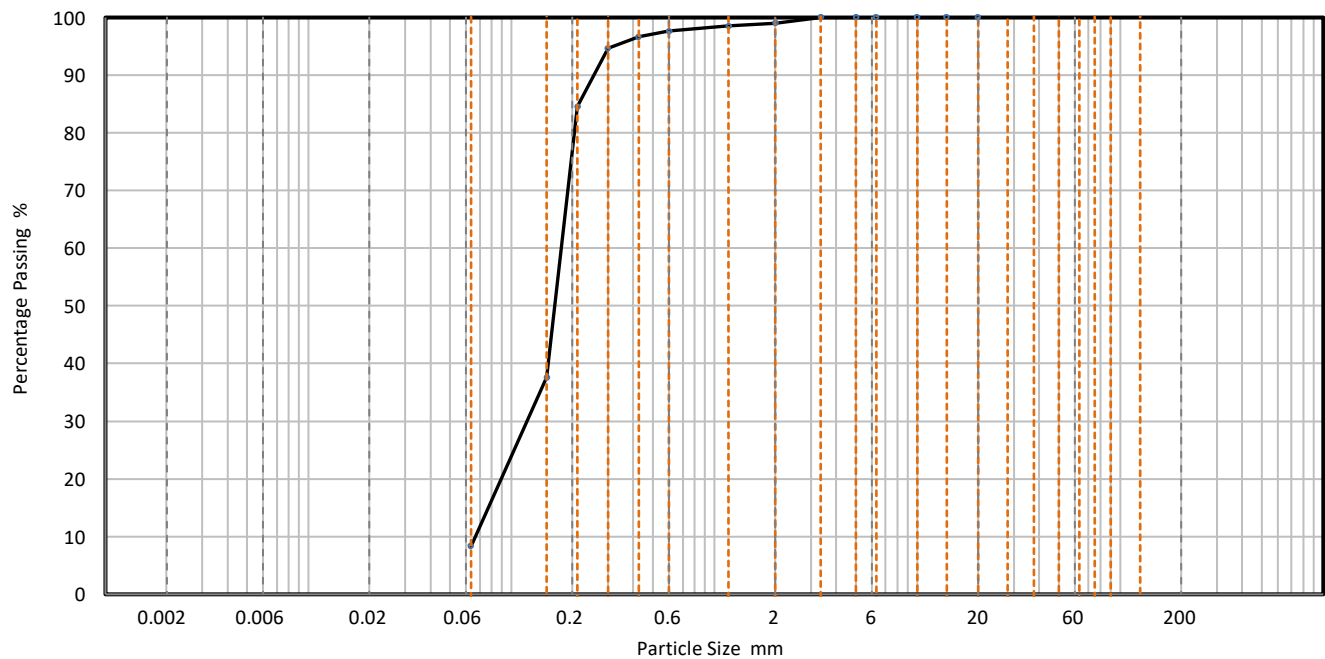
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 09:49 |

|                            |            |                                                                                                                    |                                                                                                                |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>UKAS<br>TESTING<br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                                                |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                                                |

|                            |            |                                                                                                                    |                                                                                             |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                             |

|              |          |                  |                                         |
|--------------|----------|------------------|-----------------------------------------|
| Hole         | BH-110   | Lab sample ID    | G2MT2025101477                          |
| Depth (Top)  | m -14.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  | B        |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 98        |                  |           |
| 0.425            | 97        |                  |           |
| 0.3              | 95        |                  |           |
| 0.212            | 85        |                  |           |
| 0.15             | 38        |                  |           |
| 0.063            | 8         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1154 |
|-----------------------|------|

|                    |            |
|--------------------|------------|
| Sample Proportions | % dry mass |
| Very coarse        | 0.0        |
| Gravel             | 1.0        |
| Sand               | 90.6       |
|                    |            |
| Fines <0.063mm     | 8.0        |

|                        |          |
|------------------------|----------|
| Grading Analysis       |          |
| D100                   | mm       |
| D60                    | mm 0.177 |
| D30                    | mm 0.12  |
| D10                    | mm 0.066 |
| Uniformity Coefficient | 2.7      |
| Curvature Coefficient  | 1.2      |

|                                                                           |
|---------------------------------------------------------------------------|
| Remarks                                                                   |
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

**Accreditation status**  
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

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| Approved by   | D Anderson       |
| Approval date | 27/10/2025 09:57 |

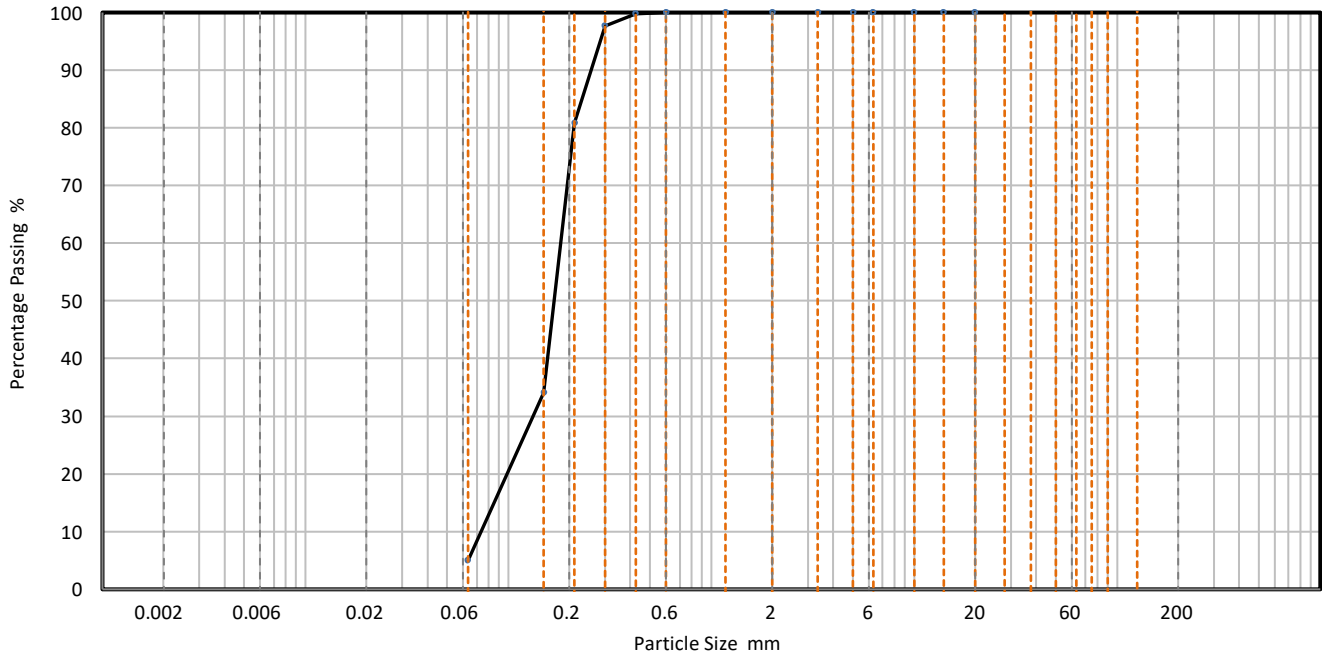
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-110 | Lab sample ID    | G2MT2025101478                |
| Depth (Top) m  | -18.50 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 81        |                  |           |
| 0.15             | 34        |                  |           |
| 0.063            | 5         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 706 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 95.0       |
| Fines <0.063mm     | 5.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.5 |
| Curvature Coefficient  | 1.3 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 10:17 |

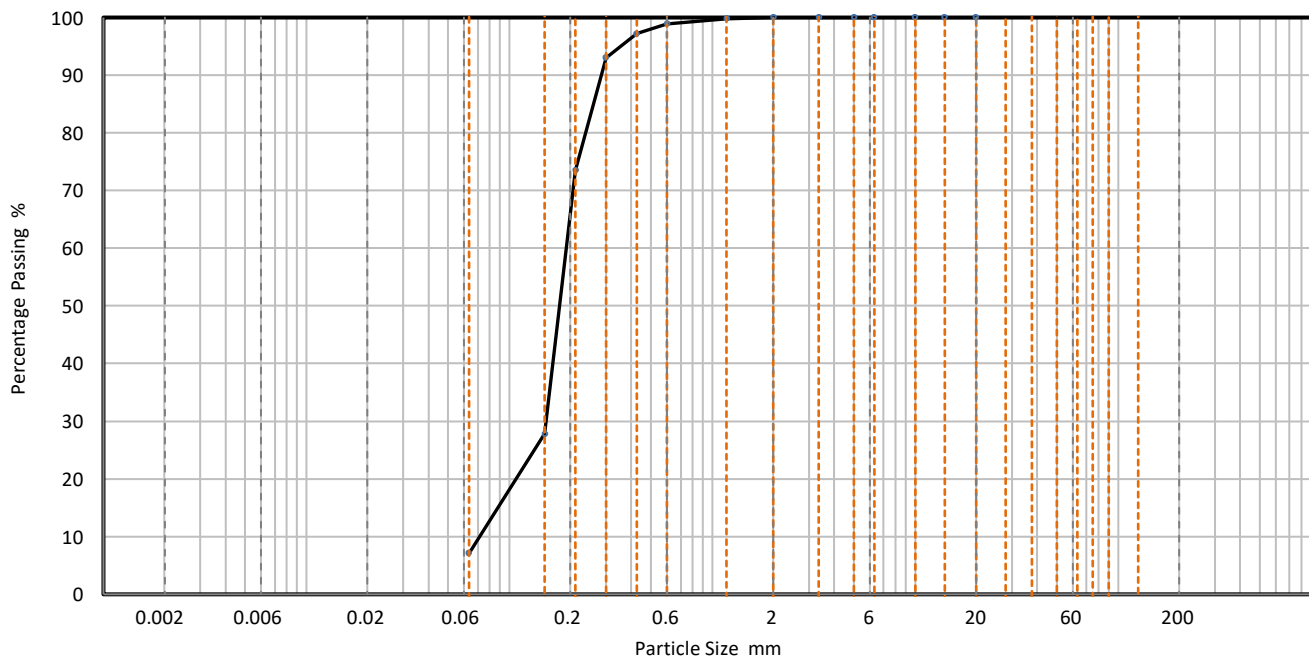
# PARTICLE SIZE DISTRIBUTION

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12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-111 | Lab sample ID    | G2MT2025101482                |
| Depth (Top) m  | -11.70 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 97        |                  |           |
| 0.3              | 93        |                  |           |
| 0.212            | 74        |                  |           |
| 0.15             | 28        |                  |           |
| 0.063            | 7         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1264 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 92.8       |
|                    |            |
| Fines <0.063mm     | 7.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.7 |
| Curvature Coefficient  | 1.7 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/10/2025 10:32 |

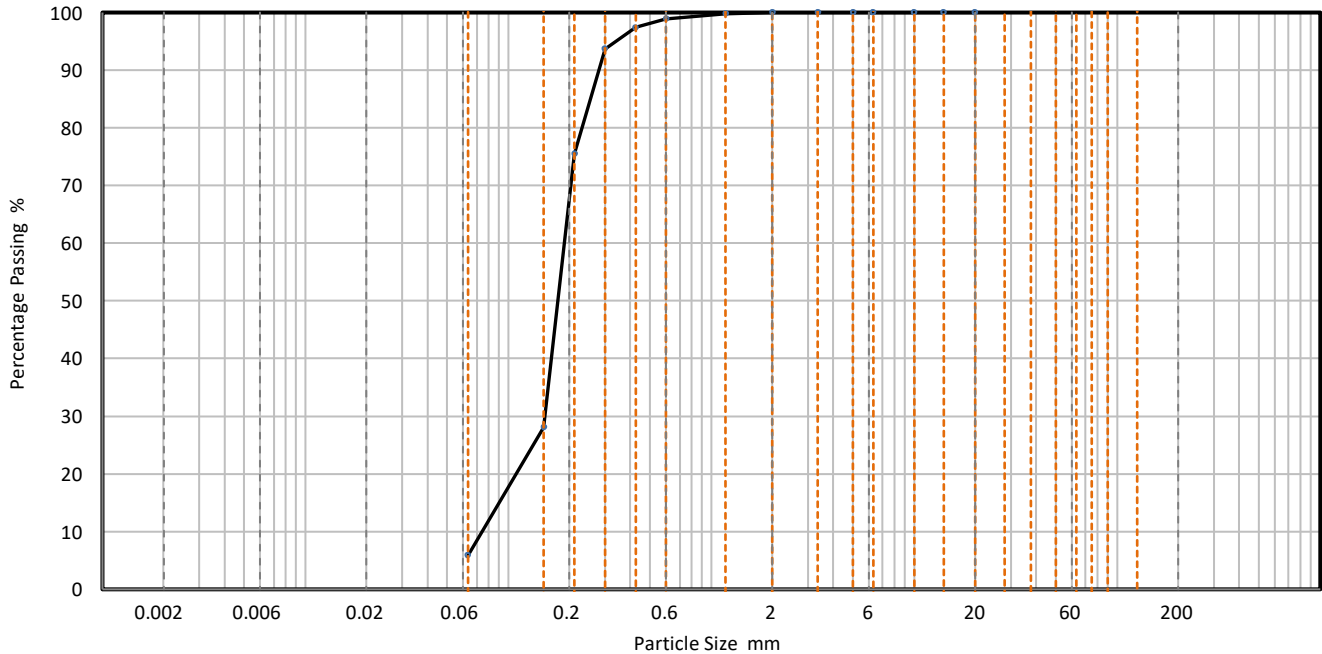
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                               |
|--------------|----------|------------------|-------------------------------|
| Hole         | BH-111   | Lab sample ID    | G2MT2025101483                |
| Depth (Top)  | m -16.20 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m        | Soil Description | Slightly Silty, SAND          |
| Sample type  | B        |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 97        |                  |           |
| 0.3              | 94        |                  |           |
| 0.212            | 76        |                  |           |
| 0.15             | 28        |                  |           |
| 0.063            | 6         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 752 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 94.0       |
|                    |            |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.189  |
| D30                    | mm 0.152  |
| D10                    | mm 0.0739 |
| Uniformity Coefficient | 2.6       |
| Curvature Coefficient  | 1.7       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 11:43 |

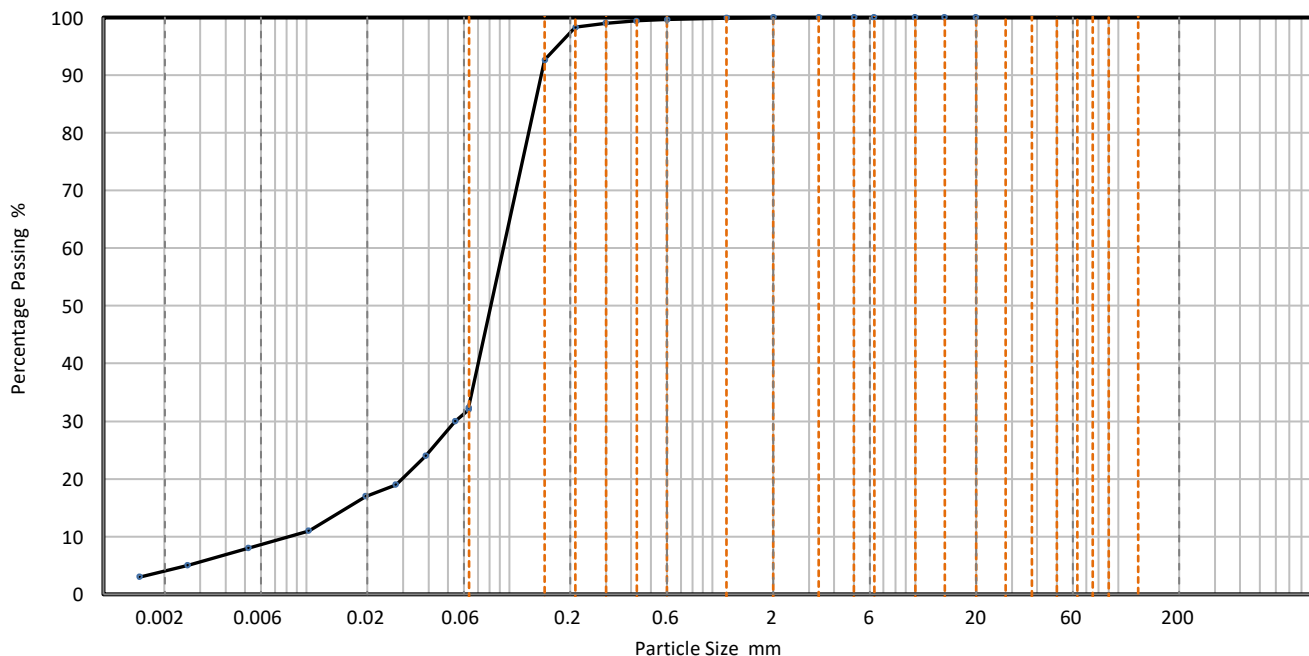
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-111   | Lab sample ID    | G2MT2025101484                         |
| Depth (Top)  | m -19.20 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Clayey, very Silty, SAND      |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 32        |
|                  |           | 0.0542                                   | 30        |
|                  |           | 0.0388                                   | 24        |
|                  |           | 0.0277                                   | 19        |
|                  |           | 0.0197                                   | 17        |
|                  |           | 0.0103                                   | 11        |
|                  |           | 0.0052                                   | 8         |
| 20               | 100       | 0.0026                                   | 5         |
| 14               | 100       | 0.0015                                   | 3         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 98        |                                          |           |
| 0.15             | 93        |                                          |           |
| 0.063            | 32        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 859 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 67.7       |
| Silt               | 28.2       |
| Clay               | 4.1        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.0938 |
| D30                    | mm 0.0554 |
| D10                    | mm 0.0078 |
| Uniformity Coefficient | 12        |
| Curvature Coefficient  | 4.2       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
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| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:47 |



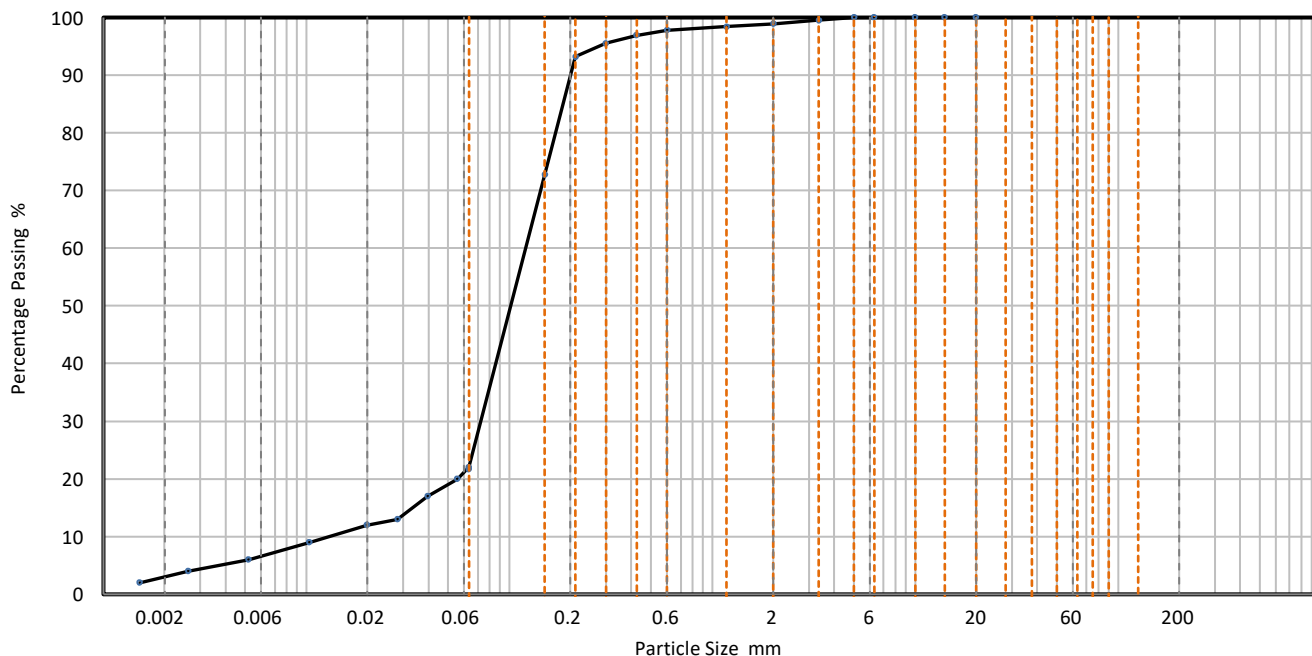
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                                 |
|--------------|----------|------------------|-------------------------------------------------|
| Hole         | BH-111   | Lab sample ID    | G2MT2025101485                                  |
| Depth (Top)  | m -23.70 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5          |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, slightly Clayey, Silty, SAND |
| Sample type  | B        |                  |                                                 |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 22        |
|                  |           | 0.0556                                   | 20        |
|                  |           | 0.0396                                   | 17        |
|                  |           | 0.0282                                   | 13        |
|                  |           | 0.0200                                   | 12        |
|                  |           | 0.0104                                   | 9         |
|                  |           | 0.0052                                   | 6         |
| 20               | 100       | 0.0026                                   | 4         |
| 14               | 100       | 0.0015                                   | 2         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 99        |                                          |           |
| 1.18             | 98        |                                          |           |
| 0.6              | 98        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 97        |                                          |           |
| 0.3              | 96        |                                          |           |
| 0.212            | 93        |                                          |           |
| 0.15             | 73        |                                          |           |
| 0.063            | 22        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 889 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.1        |
| Sand               | 77.2       |
| Silt               | 18.9       |
| Clay               | 2.8        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.121  |
| D30                    | mm 0.0725 |
| D10                    | mm 0.0137 |
| Uniformity Coefficient | 8.8       |
| Curvature Coefficient  | 3.2       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:49 |



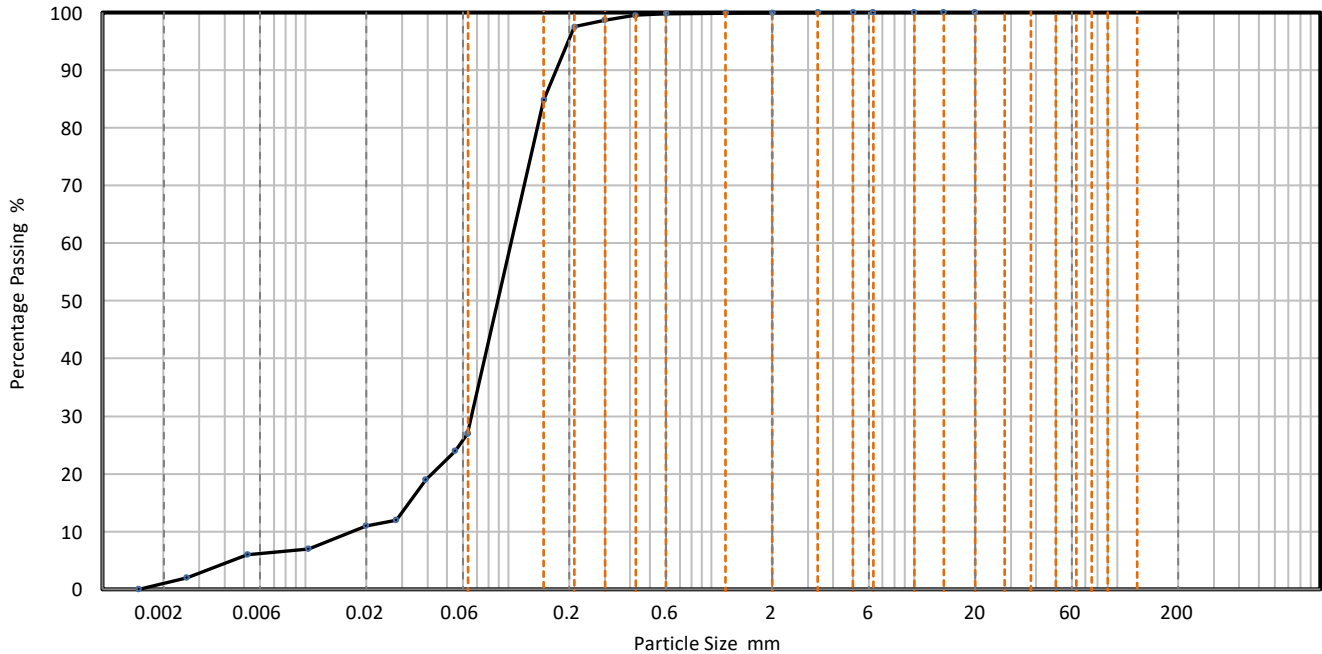
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                               |
|--------------|----------|------------------|-----------------------------------------------|
| Hole         | BH-112   | Lab sample ID    | G2MT2025091532                                |
| Depth (Top)  | m -17.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5        |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, slightly Clayey, SAND |
| Sample type  | B        |                  |                                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 27        |
|                  |           | 0.0548                                   | 24        |
|                  |           | 0.0391                                   | 19        |
|                  |           | 0.0281                                   | 12        |
|                  |           | 0.0199                                   | 11        |
|                  |           | 0.0104                                   | 7         |
|                  |           | 0.0052                                   | 6         |
| 20               | 100       | 0.0026                                   | 2         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 98        |                                          |           |
| 0.15             | 85        |                                          |           |
| 0.063            | 27        |                                          |           |

Dry Mass of sample, g

999

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 73.0       |
| Silt               | 25.7       |
| Clay               | 1.2        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 5.8 |
| Curvature Coefficient  | 2.3 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:22 |

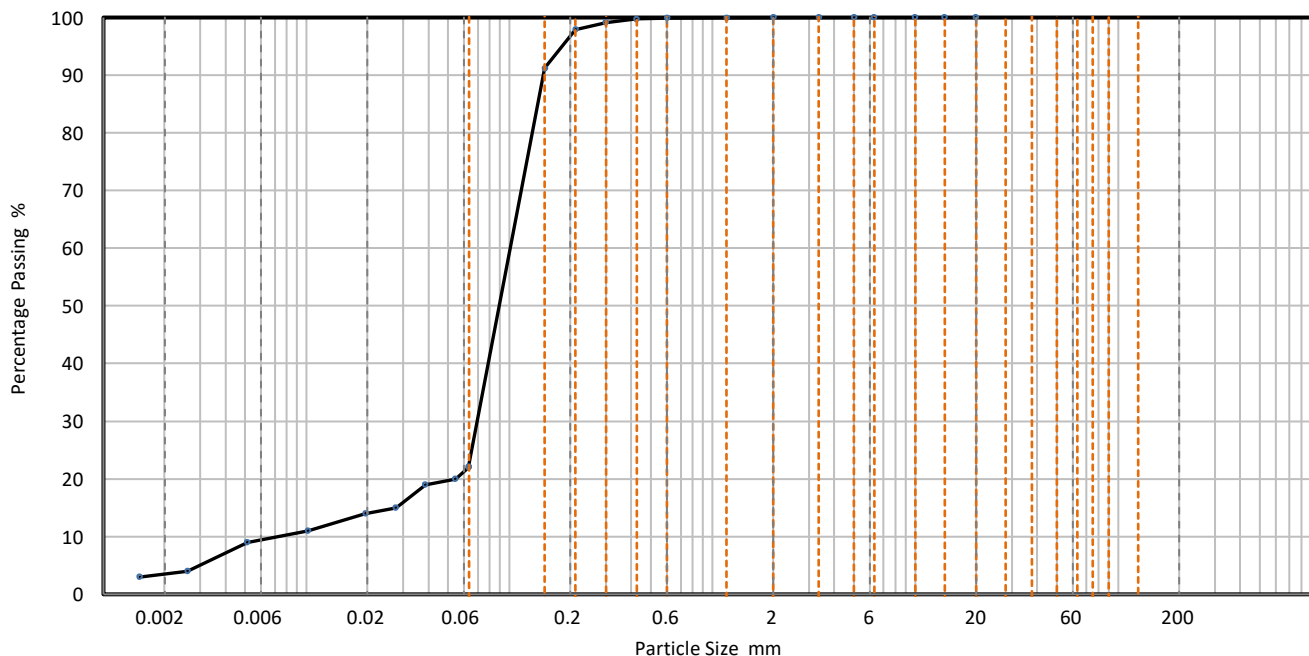
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-112   | Lab sample ID    | G2MT2025091534                         |
| Depth (Top)  | m -20.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Clayey, Silty, SAND           |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 22        |
|                  |           | 0.0544                                   | 20        |
|                  |           | 0.0387                                   | 19        |
|                  |           | 0.0276                                   | 15        |
|                  |           | 0.0196                                   | 14        |
|                  |           | 0.0102                                   | 11        |
|                  |           | 0.0051                                   | 9         |
| 20               | 100       | 0.0026                                   | 4         |
| 14               | 100       | 0.0015                                   | 3         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 98        |                                          |           |
| 0.15             | 91        |                                          |           |
| 0.063            | 22        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 867 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 77.8       |
| Silt               | 18.8       |
| Clay               | 3.4        |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.101   |
| D30                    | mm 0.0695  |
| D10                    | mm 0.00768 |
| Uniformity Coefficient | 13         |
| Curvature Coefficient  | 6.2        |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:24 |

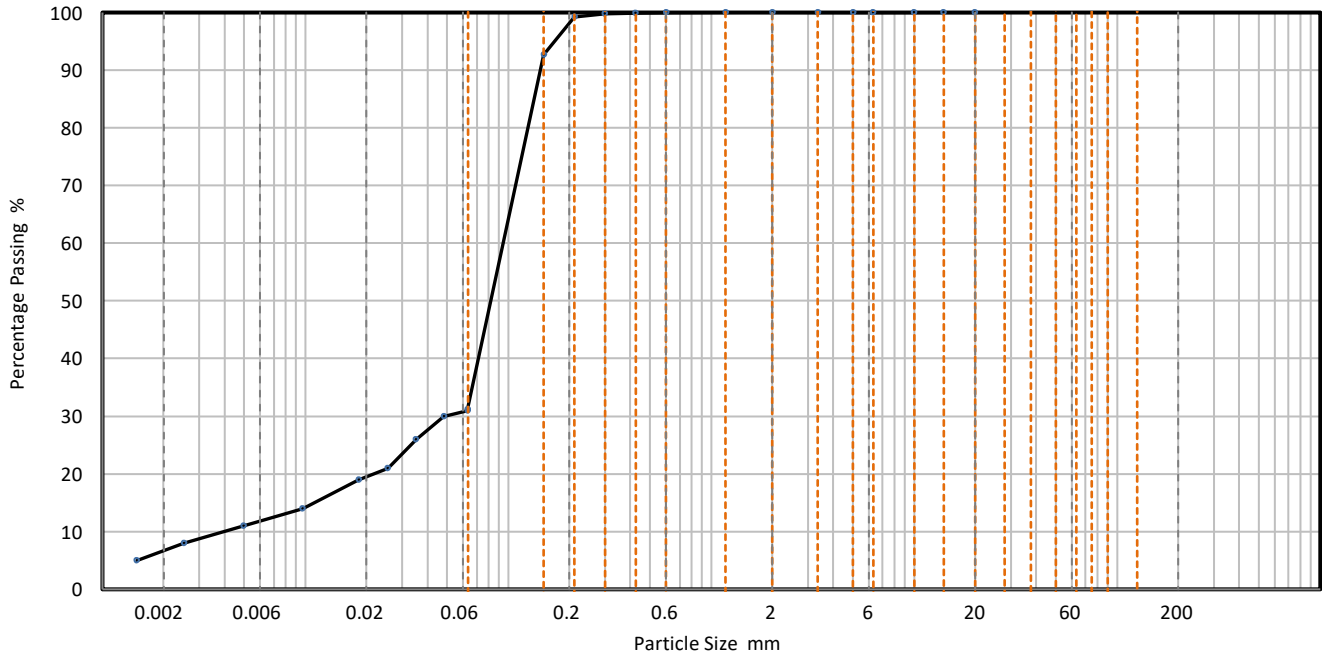
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-112   | Lab sample ID    | G2MT2025091535                         |
| Depth (Top)  | m -23.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Clayey, very Silty, SAND      |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 31        |
|                  |           | 0.0483                                   | 30        |
|                  |           | 0.0351                                   | 26        |
|                  |           | 0.0256                                   | 21        |
|                  |           | 0.0184                                   | 19        |
|                  |           | 0.0097                                   | 14        |
|                  |           | 0.0050                                   | 11        |
| 20               | 100       | 0.0025                                   | 8         |
| 14               | 100       | 0.0015                                   | 5         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 100       |                                          |           |
| 0.212            | 99        |                                          |           |
| 0.15             | 93        |                                          |           |
| 0.063            | 31        |                                          |           |

Dry Mass of sample, g

843

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 68.8       |
| Silt               | 24.6       |
| Clay               | 6.6        |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0946  |
| D30                    | mm 0.0495  |
| D10                    | mm 0.00433 |
| Uniformity Coefficient | 22         |
| Curvature Coefficient  | 6          |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

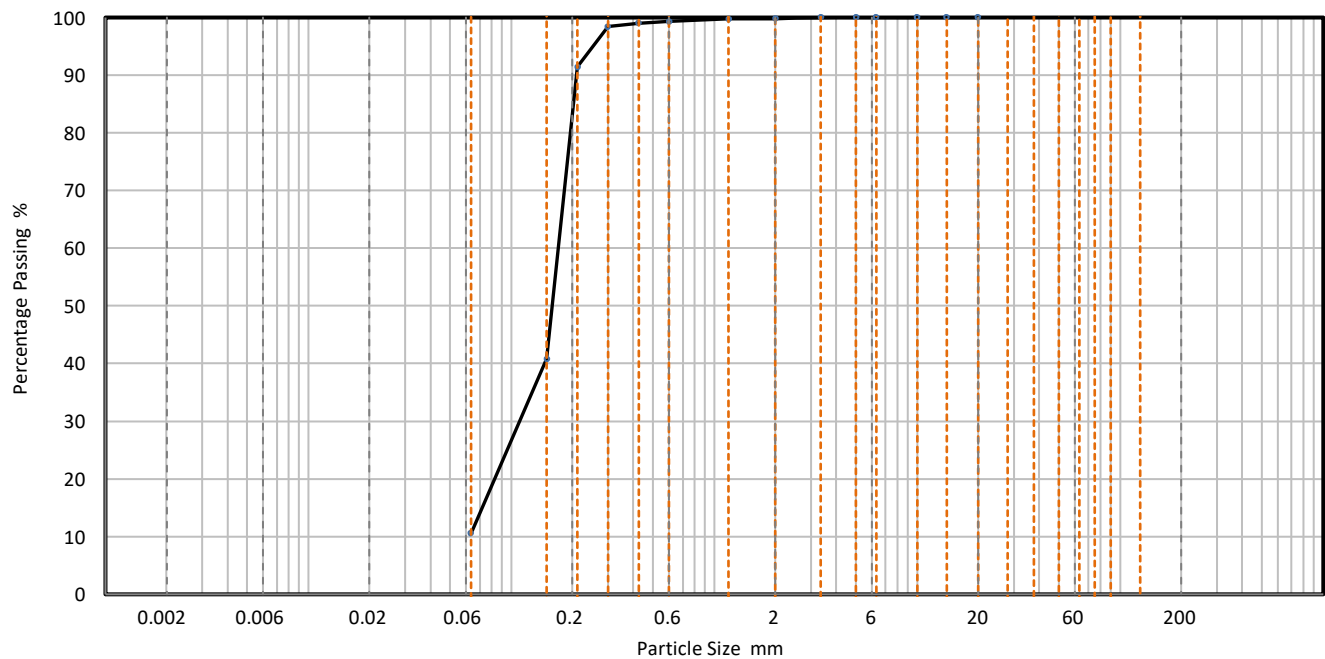
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:13 |

|                                   |            |                                                                                                                    |                                                                                              |
|-----------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>PARTICLE SIZE DISTRIBUTION</b> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                         | Job number |                                                                                                                    |                                                                                              |
| Marine GI - Ardersier Port        | S250403    |                                                                                                                    |                                                                                              |

|                |        |                  |                                |
|----------------|--------|------------------|--------------------------------|
| Hole           | BH-113 | Lab sample ID    | G2MT2025091536                 |
| Depth (Top) m  | -7.00  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2  |
| Depth (Base) m |        | Soil Description | Slightly Gravelly, Clayey SAND |
| Sample type    | B      |                  |                                |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 91        |                  |           |
| 0.15             | 41        |                  |           |
| 0.063            | 11        |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 860 |
|-----------------------|-----|

|                           |            |
|---------------------------|------------|
| <b>Sample Proportions</b> | % dry mass |
| Very coarse               | 0.0        |
| Gravel                    | 0.2        |
| Sand                      | 89.2       |
|                           |            |
| Fines <0.063mm            | 11.0       |

|                         |       |
|-------------------------|-------|
| <b>Grading Analysis</b> |       |
| D100 mm                 |       |
| D60 mm                  | 0.171 |
| D30 mm                  | 0.11  |
| D10 mm                  |       |
| Uniformity Coefficient  |       |
| Curvature Coefficient   |       |

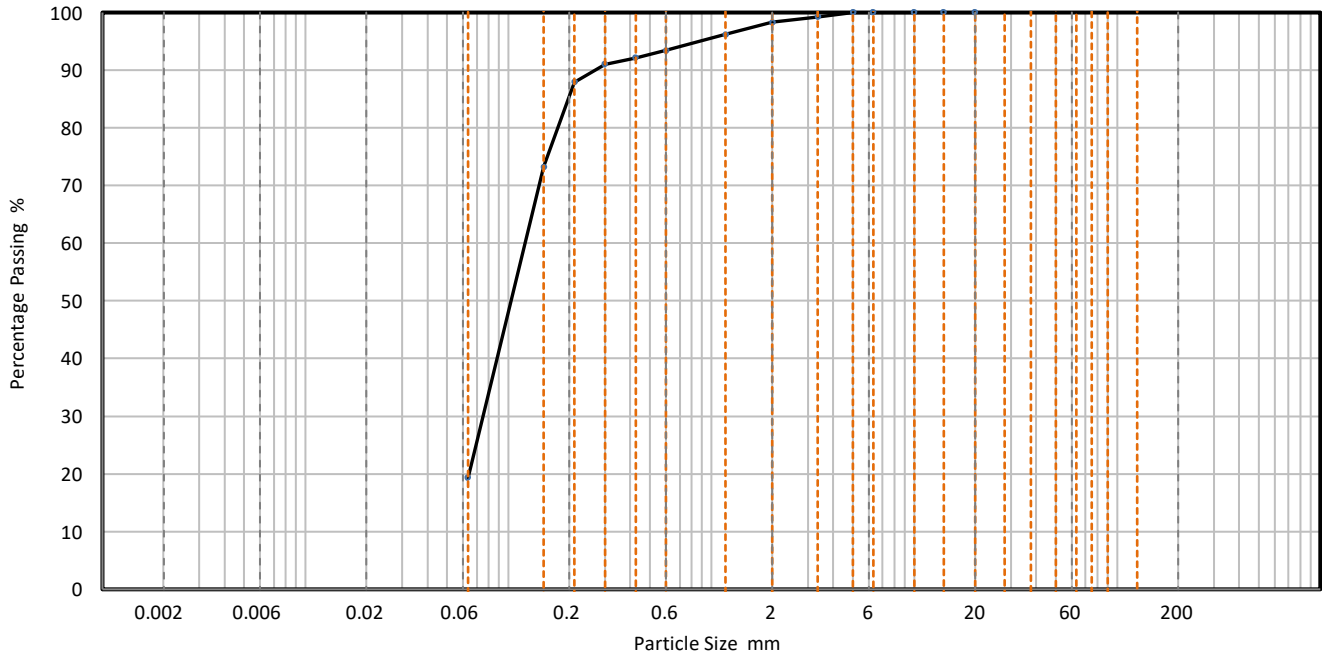
|                                                                           |
|---------------------------------------------------------------------------|
| <b>Remarks</b>                                                            |
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

**Accreditation status**  
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 08:18 |

|                            |            |                                                                                                                    |                                                                                             |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                             |

|              |   |        |                  |                                |
|--------------|---|--------|------------------|--------------------------------|
| Hole         |   | BH-113 | Lab sample ID    | G2MT2025091538                 |
| Depth (Top)  | m | -9.50  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2  |
| Depth (Base) | m |        | Soil Description | Slightly Gravelly, Clayey SAND |
| Sample type  |   | B      |                  |                                |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 98        |                  |           |
| 1.18             | 96        |                  |           |
| 0.6              | 93        |                  |           |
| 0.425            | 92        |                  |           |
| 0.3              | 91        |                  |           |
| 0.212            | 88        |                  |           |
| 0.15             | 73        |                  |           |
| 0.063            | 19        |                  |           |

Dry Mass of sample, g

1063

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.7        |
| Sand               | 78.9       |
|                    |            |
| Fines <0.063mm     | 19.0       |

| Grading Analysis       |    |        |
|------------------------|----|--------|
| D100                   | mm |        |
| D60                    | mm | 0.121  |
| D30                    | mm | 0.0747 |
| D10                    | mm |        |
| Uniformity Coefficient |    |        |
| Curvature Coefficient  |    |        |

Remarks

Preparation and testing in accordance with test method unless noted below

### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 17/09/2025 14:22 |

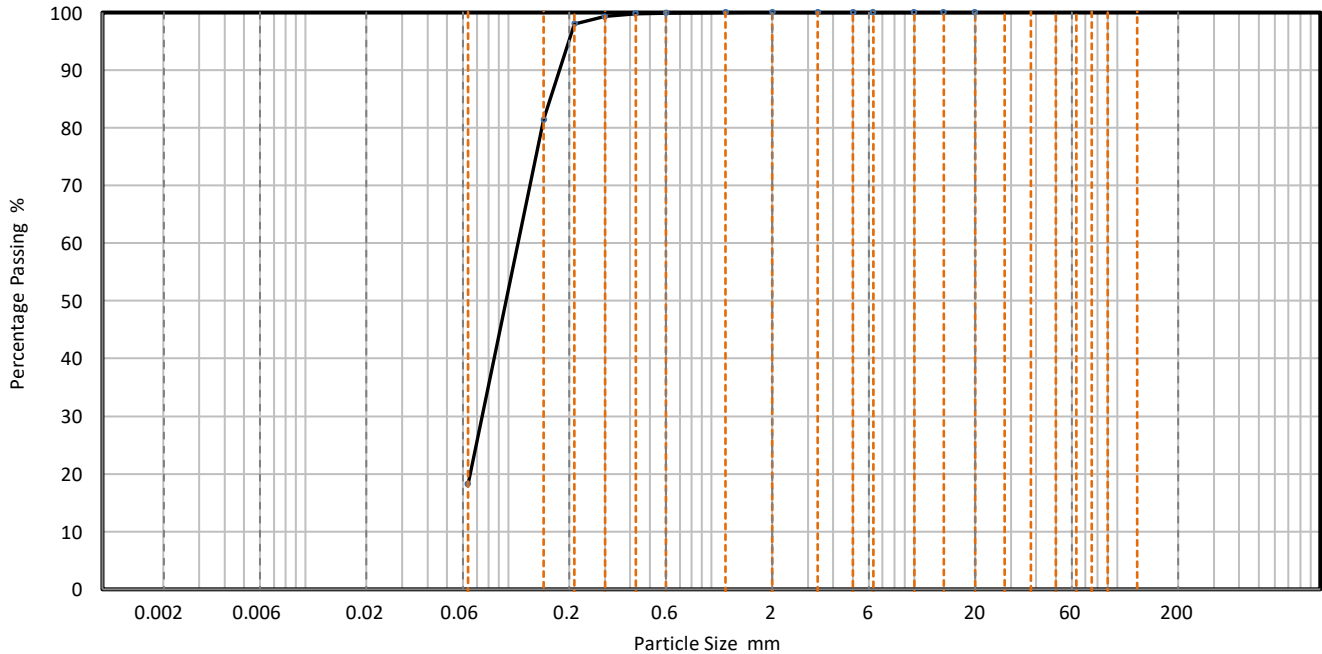
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-113 | Lab sample ID    | G2MT2025091539                |
| Depth (Top) m  | -15.50 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Clayey SAND                   |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 98        |                  |           |
| 0.15             | 81        |                  |           |
| 0.063            | 18        |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1006 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 81.7       |
| Fines <0.063mm     | 18.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 17/09/2025 14:23 |



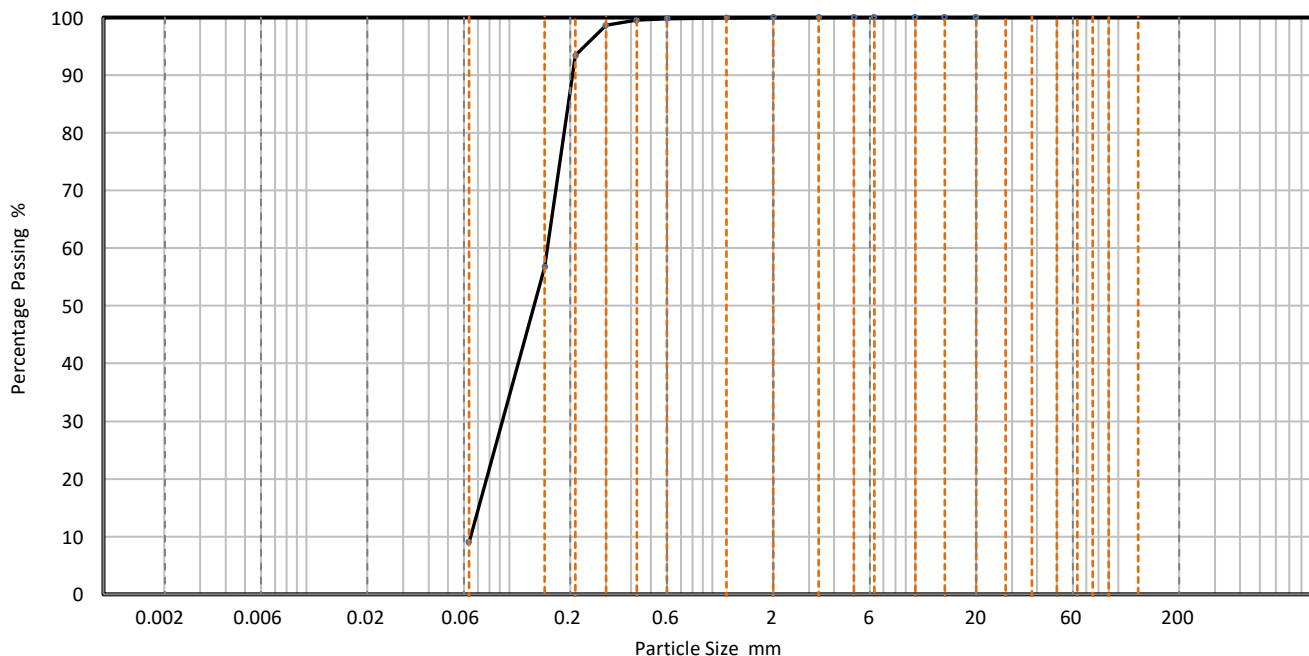
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-113 | Lab sample ID    | G2MT2025091541                |
| Depth (Top) m  | -20.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Clayey SAND                   |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 93        |                  |           |
| 0.15             | 57        |                  |           |
| 0.063            | 9         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 966 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 91.0       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

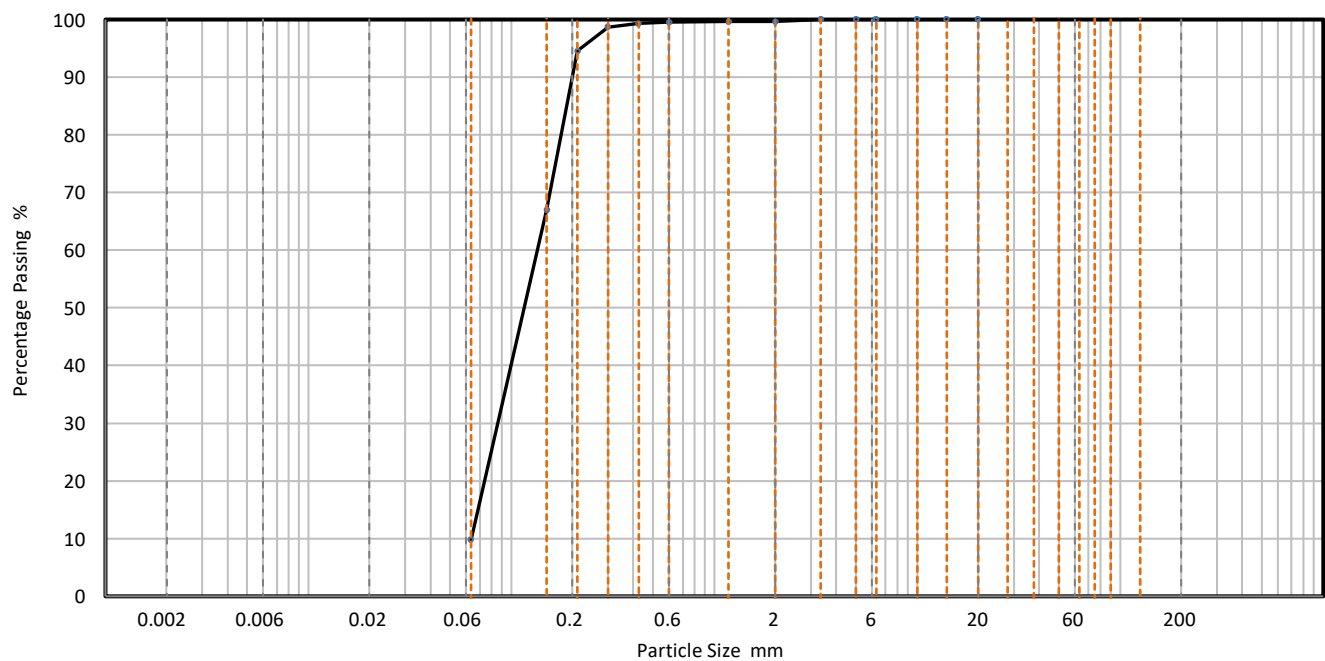
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 08:18 |

|                                                        |            |                                                                                                                    |                                                                                              |
|--------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <h1 style="margin: 0;">PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                                              | Job number |                                                                                                                    |                                                                                              |
| Marine GI - Ardersier Port                             | S250403    |                                                                                                                    |                                                                                              |

|              |   |        |                  |                                |
|--------------|---|--------|------------------|--------------------------------|
| Hole         |   | BH-113 | Lab sample ID    | G2MT2025091544                 |
| Depth (Top)  | m | -24.50 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2  |
| Depth (Base) | m |        | Soil Description | Slightly Gravelly, Clayey SAND |
| Sample type  |   | B      |                  |                                |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 95        |                  |           |
| 0.15             | 67        |                  |           |
| 0.063            | 10        |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 827 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.4        |
| Sand               | 89.8       |
|                    |            |
| Fines <0.063mm     | 10.0       |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 2.1  |
| Curvature Coefficient  | 0.86 |

**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**  
 Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 08:20 |

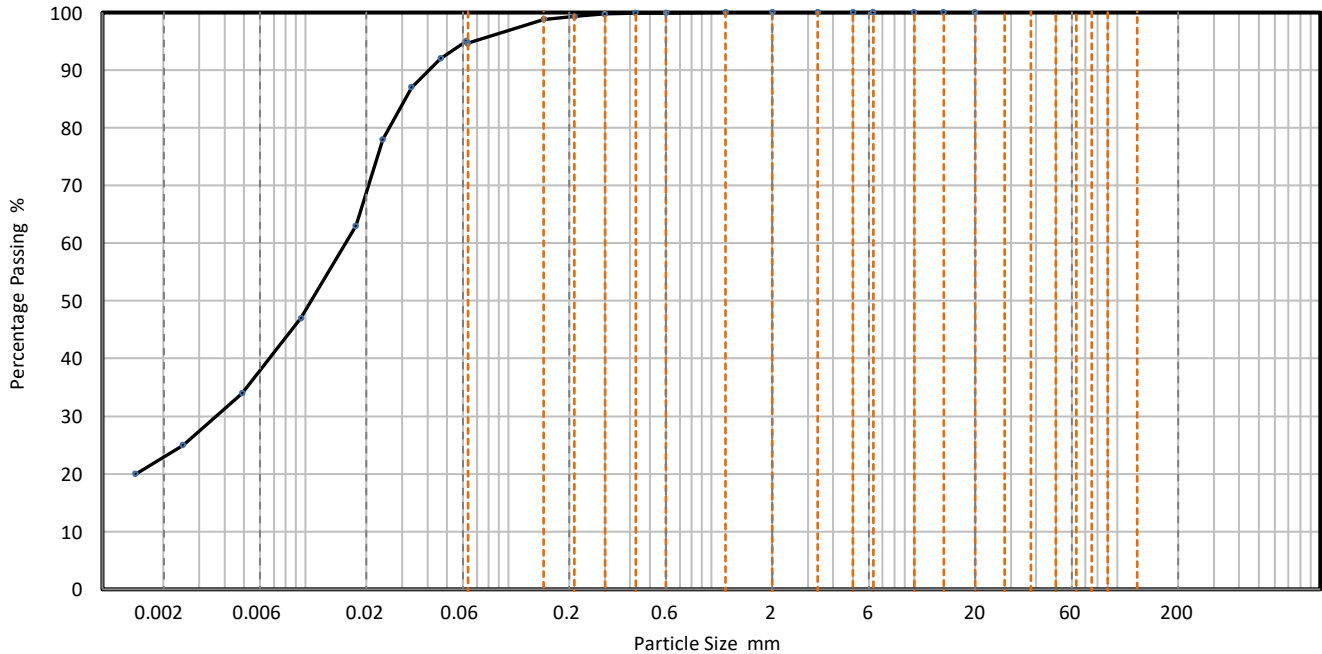
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-113   | Lab sample ID    | G2MT2025091545                         |
| Depth (Top)  | m -27.50 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, very Clayey, SILT   |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0621                                   | 95        |
|                  |           | 0.0465                                   | 92        |
|                  |           | 0.0334                                   | 87        |
|                  |           | 0.0241                                   | 78        |
|                  |           | 0.0177                                   | 63        |
|                  |           | 0.0095                                   | 47        |
|                  |           | 0.0049                                   | 34        |
| 20               | 100       | 0.0025                                   | 25        |
| 14               | 100       | 0.0015                                   | 20        |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 100       |                                          |           |
| 0.212            | 99        |                                          |           |
| 0.15             | 99        |                                          |           |
| 0.063            | 95        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 626 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 5.4        |
| Silt               | 71.3       |
| Clay               | 23.3       |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0159  |
| D30                    | mm 0.00358 |
| D10                    | mm         |
| Uniformity Coefficient |            |
| Curvature Coefficient  |            |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:26 |

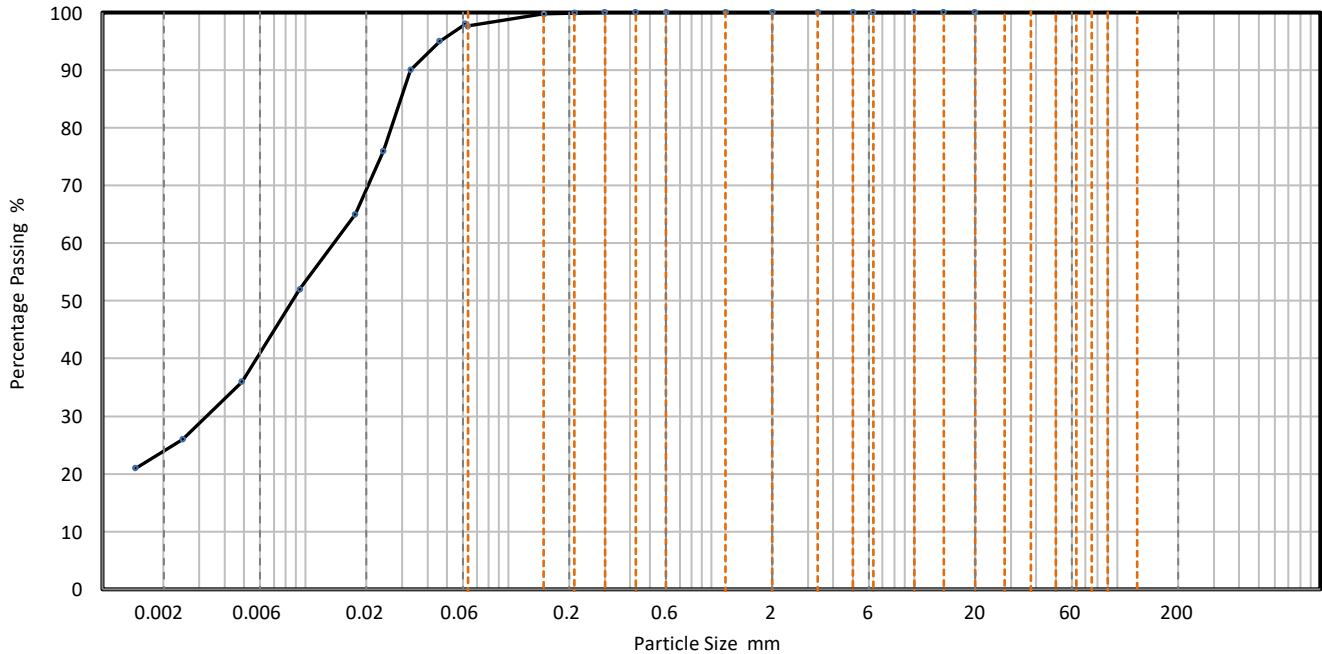
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-113   | Lab sample ID    | G2MT2025091547                         |
| Depth (Top)  | m -29.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Sandy, very Clayey, SILT      |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0614                                   | 98        |
|                  |           | 0.0459                                   | 95        |
|                  |           | 0.0330                                   | 90        |
|                  |           | 0.0242                                   | 76        |
|                  |           | 0.0176                                   | 65        |
|                  |           | 0.0094                                   | 52        |
|                  |           | 0.0049                                   | 36        |
| 20               | 100       | 0.0025                                   | 26        |
| 14               | 100       | 0.0015                                   | 21        |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 100       |                                          |           |
| 0.212            | 100       |                                          |           |
| 0.15             | 100       |                                          |           |
| 0.063            | 98        |                                          |           |

Dry Mass of sample, g

796

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 2.4        |
| Silt               | 73.9       |
| Clay               | 23.7       |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0137  |
| D30                    | mm 0.00332 |
| D10                    | mm         |
| Uniformity Coefficient |            |
| Curvature Coefficient  |            |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

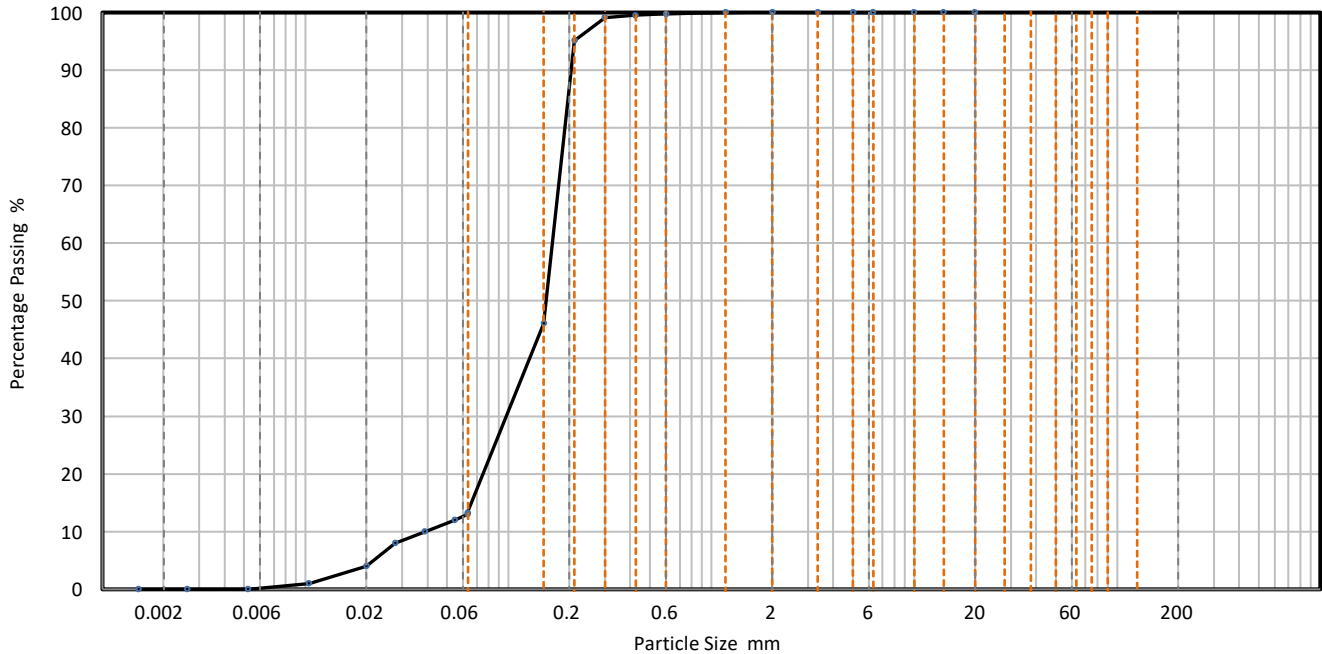
|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:17 |

# PARTICLE SIZE DISTRIBUTION

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|                            |         |                  |                                        |
|----------------------------|---------|------------------|----------------------------------------|
| Site name                  |         | Job number       |                                        |
| Marine GI - Ardersier Port |         | S250403          |                                        |
| Hole                       | BH-114  | Lab sample ID    | G2MT2025091515                         |
| Depth (Top)                | m -3.20 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base)               | m       | Soil Description | Silty, SAND                            |
| Sample type                | B       |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 13        |
|                  |           | 0.0545                                   | 12        |
|                  |           | 0.0390                                   | 10        |
|                  |           | 0.0278                                   | 8         |
|                  |           | 0.0200                                   | 4         |
|                  |           | 0.0104                                   | 1         |
|                  |           | 0.0052                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 95        |                                          |           |
| 0.15             | 46        |                                          |           |
| 0.063            | 13        |                                          |           |

Dry Mass of sample, g

737

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 86.7       |
| Silt               | 13.3       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.165  |
| D30                    | mm 0.098  |
| D10                    | mm 0.0398 |
| Uniformity Coefficient | 4.2       |
| Curvature Coefficient  | 1.5       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 09:27 |

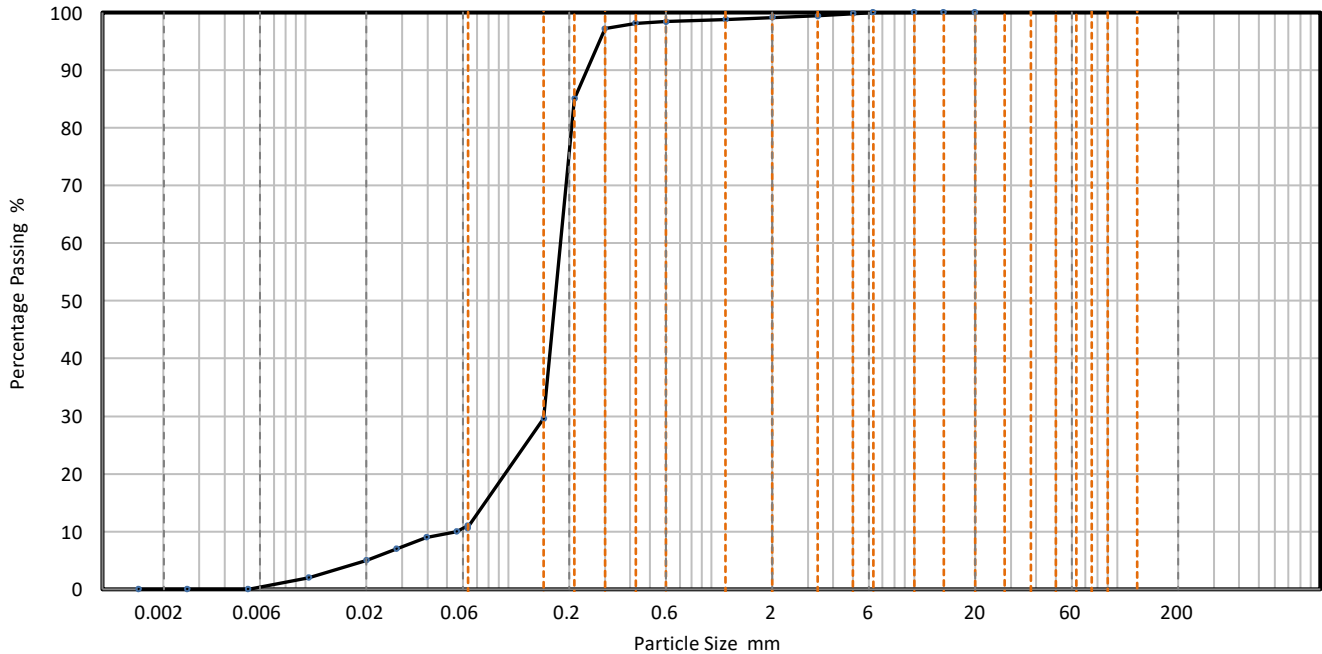
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                        |
|--------------|---------|------------------|----------------------------------------|
| Hole         | BH-114  | Lab sample ID    | G2MT2025091518                         |
| Depth (Top)  | m -4.70 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m       | Soil Description | Very slightly Gravelly, Silty, SAND    |
| Sample type  | B       |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 11        |
|                  |           | 0.0558                                   | 10        |
|                  |           | 0.0396                                   | 9         |
|                  |           | 0.0281                                   | 7         |
|                  |           | 0.0200                                   | 5         |
|                  |           | 0.0104                                   | 2         |
|                  |           | 0.0052                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 99        |                                          |           |
| 2                | 99        |                                          |           |
| 1.18             | 99        |                                          |           |
| 0.6              | 98        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 98        |                                          |           |
| 0.3              | 97        |                                          |           |
| 0.212            | 85        |                                          |           |
| 0.15             | 30        |                                          |           |
| 0.063            | 11        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 807 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.9        |
| Sand               | 88.5       |
| Silt               | 10.6       |
| Clay               | 0.0        |

| Grading Analysis       |          |
|------------------------|----------|
| D100                   | mm       |
| D60                    | mm 0.181 |
| D30                    | mm 0.15  |
| D10                    | mm 0.059 |
| Uniformity Coefficient | 3.1      |
| Curvature Coefficient  | 2.1      |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 09:43 |



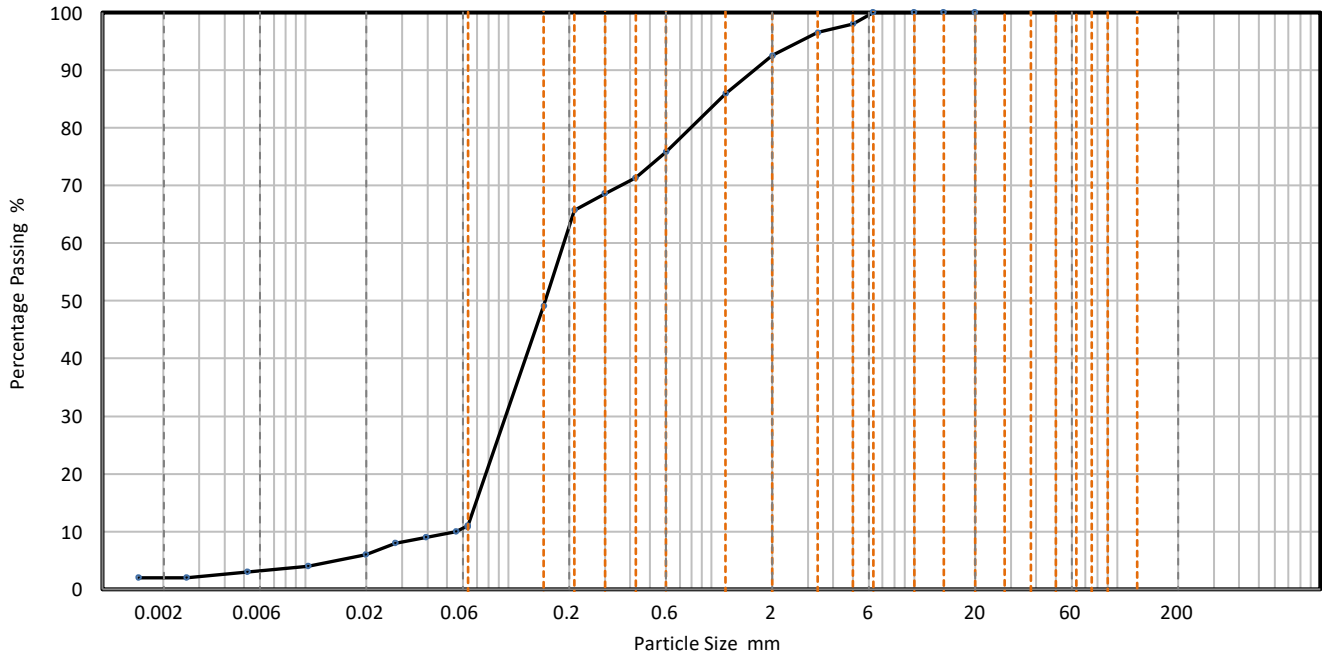
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                        |
|--------------|---------|------------------|----------------------------------------|
| Hole         | BH-114  | Lab sample ID    | G2MT2025091521                         |
| Depth (Top)  | m -9.70 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m       | Soil Description | Slightly Clayey, Gravelly, Silty, SAND |
| Sample type  | B       |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 11        |
|                  |           | 0.0554                                   | 10        |
|                  |           | 0.0393                                   | 9         |
|                  |           | 0.0278                                   | 8         |
|                  |           | 0.0198                                   | 6         |
|                  |           | 0.0103                                   | 4         |
|                  |           | 0.0052                                   | 3         |
| 20               | 100       | 0.0026                                   | 2         |
| 14               | 100       | 0.0015                                   | 2         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 98        |                                          |           |
| 3.35             | 97        |                                          |           |
| 2                | 93        |                                          |           |
| 1.18             | 86        |                                          |           |
| 0.6              | 76        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 71        |                                          |           |
| 0.3              | 69        |                                          |           |
| 0.212            | 66        |                                          |           |
| 0.15             | 49        |                                          |           |
| 0.063            | 11        |                                          |           |

Dry Mass of sample, g

1168

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 7.5        |
| Sand               | 81.7       |
| Silt               | 8.8        |
| Clay               | 2.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.188  |
| D30                    | mm 0.0973 |
| D10                    | mm 0.0578 |
| Uniformity Coefficient | 3.3       |
| Curvature Coefficient  | 0.87      |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:05 |





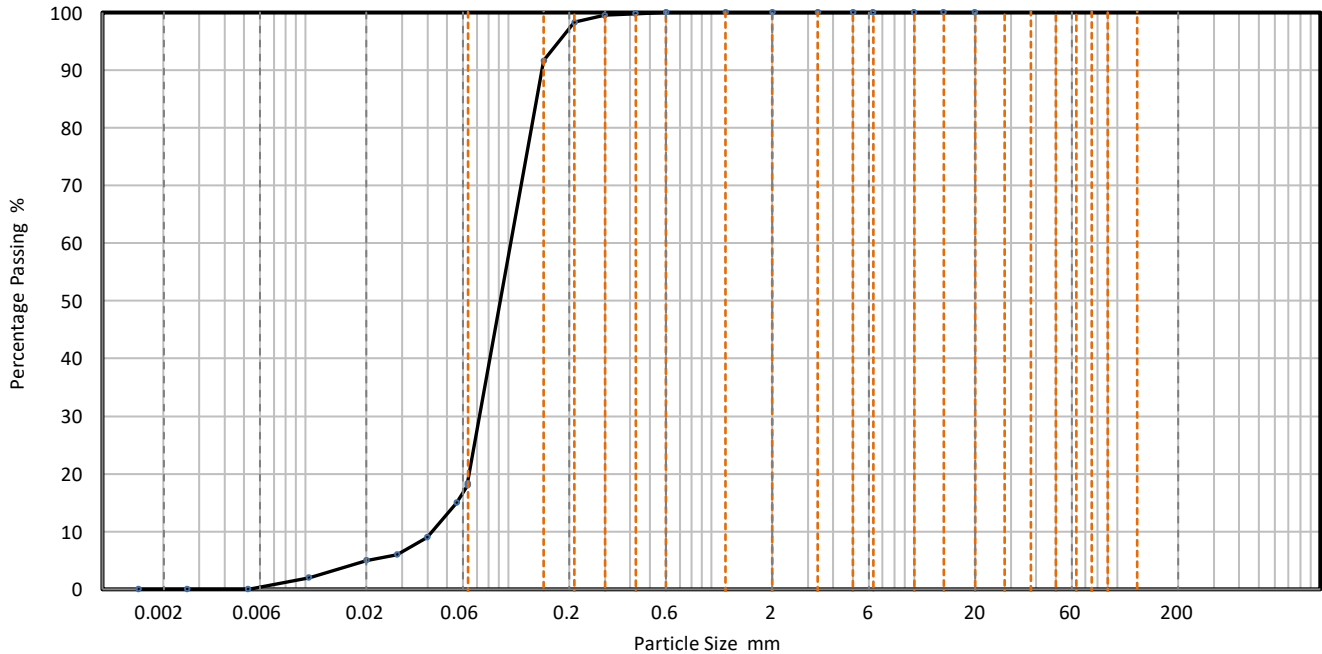
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-115   | Lab sample ID    | G2MT202509151                          |
| Depth (Top)  | m -12.10 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Silty, SAND                            |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 18        |
|                  |           | 0.0558                                   | 15        |
|                  |           | 0.0399                                   | 9         |
|                  |           | 0.0284                                   | 6         |
|                  |           | 0.0201                                   | 5         |
|                  |           | 0.0104                                   | 2         |
|                  |           | 0.0052                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 100       |                                          |           |
| 0.212            | 98        |                                          |           |
| 0.15             | 92        |                                          |           |
| 0.063            | 18        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 921 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 81.6       |
| Silt               | 18.4       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.103  |
| D30                    | mm 0.0723 |
| D10                    | mm 0.0423 |
| Uniformity Coefficient | 2.4       |
| Curvature Coefficient  | 1.2       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:08 |

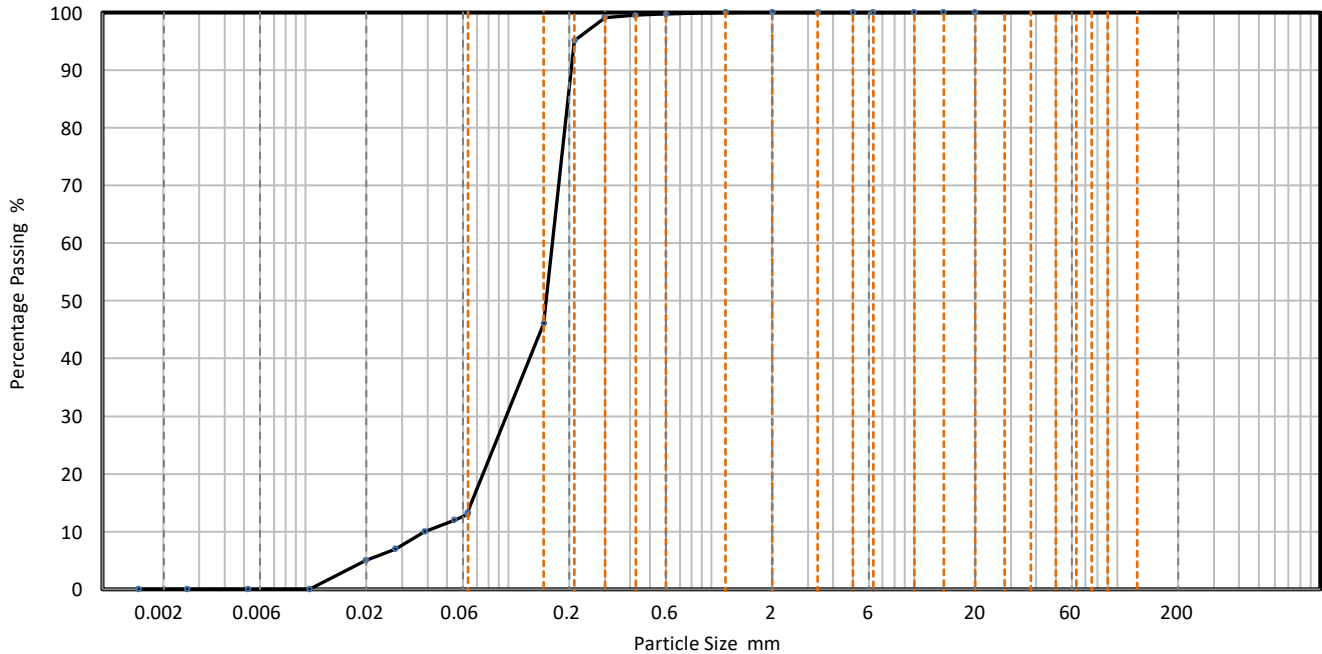
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |   |        |                  |                                        |
|--------------|---|--------|------------------|----------------------------------------|
| Hole         |   | BH-116 | Lab sample ID    | G2MT202509154                          |
| Depth (Top)  | m | -4.50  | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m |        | Soil Description | Silty, SAND                            |
| Sample type  |   | B      |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 13        |
|                  |           | 0.0543                                   | 12        |
|                  |           | 0.0388                                   | 10        |
|                  |           | 0.0278                                   | 7         |
|                  |           | 0.0199                                   | 5         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0052                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 95        |                                          |           |
| 0.15             | 46        |                                          |           |
| 0.063            | 13        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 737 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 86.7       |
| Silt               | 13.3       |
| Clay               | 0.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 4.3 |
| Curvature Coefficient  | 1.5 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 09:31 |

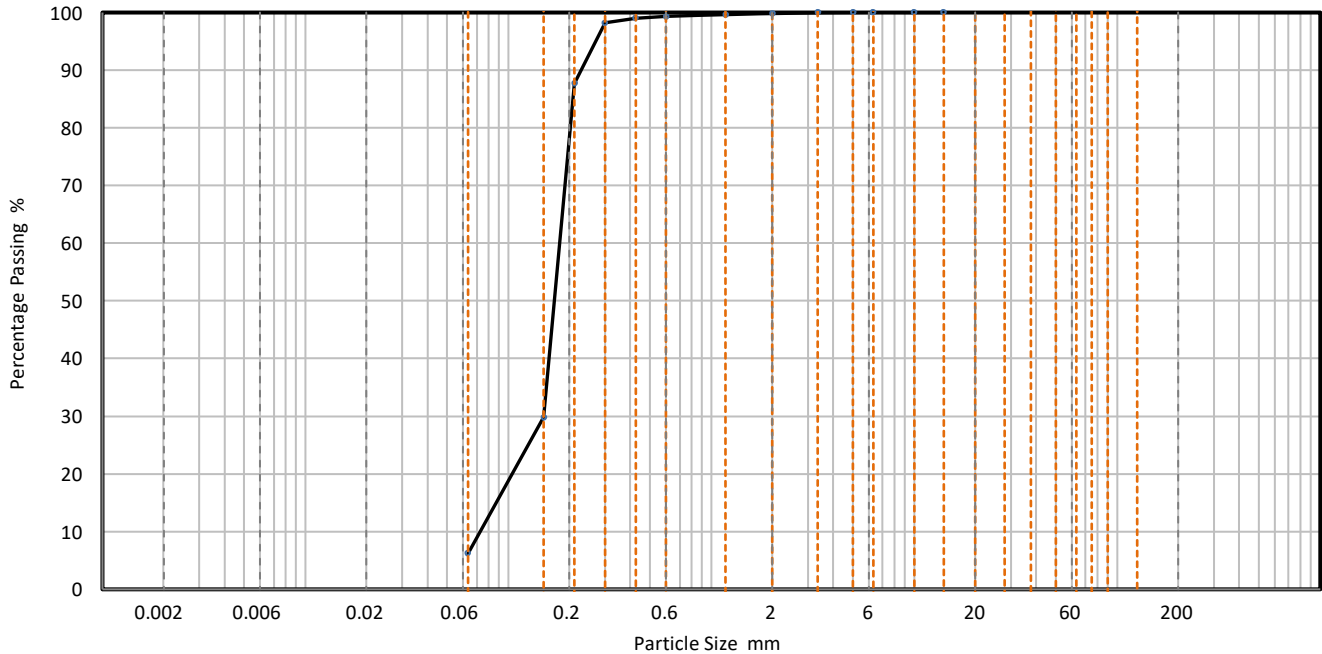
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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TS18 3NA  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                 |
|--------------|---------|------------------|---------------------------------|
| Hole         | BH-116  | Lab sample ID    | G2MT202509156                   |
| Depth (Top)  | m -6.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2   |
| Depth (Base) | m       | Soil Description | Slightly Gravelly, Clayey, SAND |
| Sample type  | B       |                  |                                 |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 88        |                  |           |
| 0.15             | 30        |                  |           |
| 0.063            | 6         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 863 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.2        |
| Sand               | 93.5       |
|                    |            |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.18   |
| D30                    | mm 0.15   |
| D10                    | mm 0.0722 |
| Uniformity Coefficient | 2.5       |
| Curvature Coefficient  | 1.7       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

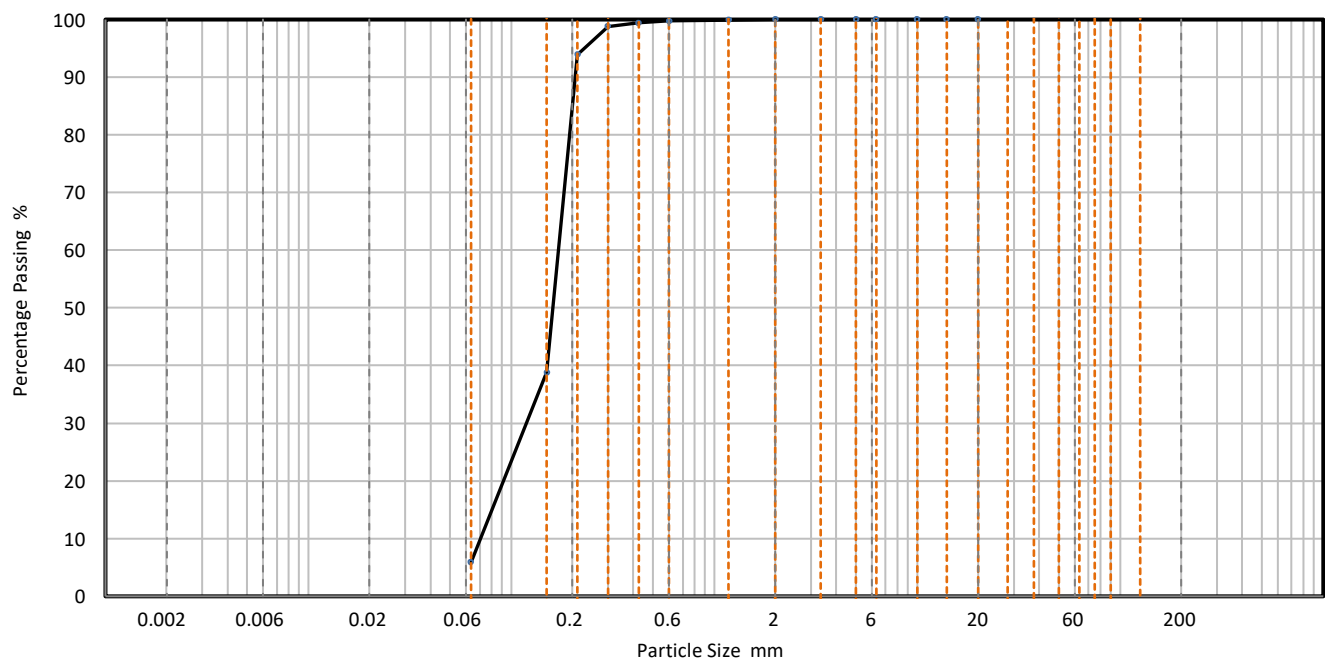
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 08:28 |

|                                     |            |                                                                                                                    |                                                                                              |
|-------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <h1>PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                           | Job number |                                                                                                                    |                                                                                              |
| Marine GI - Ardersier Port          | S250403    |                                                                                                                    |                                                                                              |

|              |   |        |                  |                               |
|--------------|---|--------|------------------|-------------------------------|
| Hole         |   | BH-116 | Lab sample ID    | G2MT202509159                 |
| Depth (Top)  | m | -7.50  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m |        | Soil Description | Clayey, SAND                  |
| Sample type  |   | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 94        |                  |           |
| 0.15             | 39        |                  |           |
| 0.063            | 6         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 857 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 94.1       |
|                    |            |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.4 |
| Curvature Coefficient  | 1.2 |

**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

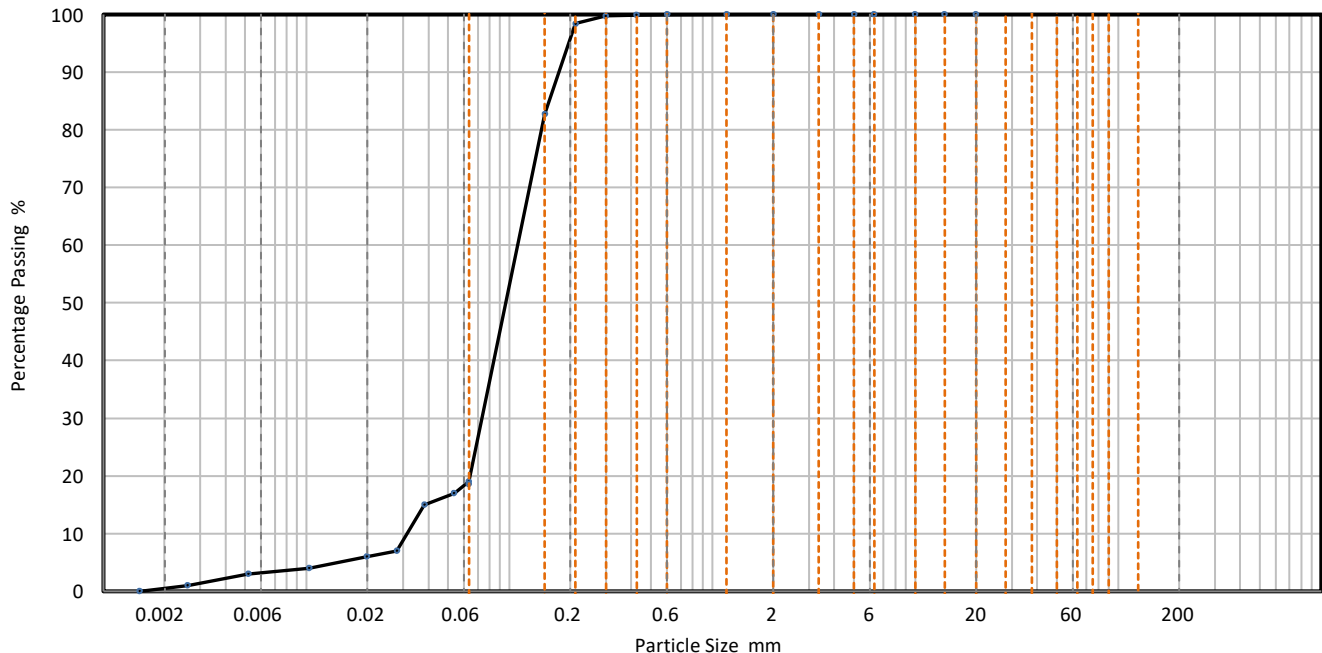
|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 08:32 |

# PARTICLE SIZE DISTRIBUTION

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|                            |          |                  |                                        |
|----------------------------|----------|------------------|----------------------------------------|
| Site name                  |          | Job number       |                                        |
| Marine GI - Ardersier Port |          | S250403          |                                        |
| Hole                       | BH-116   | Lab sample ID    | G2MT2025091513                         |
| Depth (Top)                | m -13.50 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base)               | m        | Soil Description | Very slightly Clayey, Silty, SAND      |
| Sample type                | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                                        |           |
|------------------|-----------|------------------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                                     | % Passing |
|                  |           | 0.0630                                               | 19        |
|                  |           | 0.0536                                               | 17        |
|                  |           | 0.0382                                               | 15        |
|                  |           | 0.0279                                               | 7         |
|                  |           | 0.0199                                               | 6         |
|                  |           | 0.0103                                               | 4         |
|                  |           | 0.0052                                               | 3         |
| 20               | 100       | 0.0026                                               | 1         |
| 14               | 100       | 0.0015                                               | 0         |
| 10               | 100       |                                                      |           |
| 6.3              | 100       |                                                      |           |
| 5                | 100       |                                                      |           |
| 3.35             | 100       |                                                      |           |
| 2                | 100       |                                                      |           |
| 1.18             | 100       |                                                      |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m <sup>3</sup> |           |
| 0.425            | 100       |                                                      |           |
| 0.3              | 100       |                                                      |           |
| 0.212            | 98        |                                                      |           |
| 0.15             | 83        |                                                      |           |
| 0.063            | 19        |                                                      |           |

Dry Mass of sample, g

753

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 81.4       |
| Silt               | 17.9       |
| Clay               | 0.7        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 3.6 |
| Curvature Coefficient  | 1.6 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:10 |

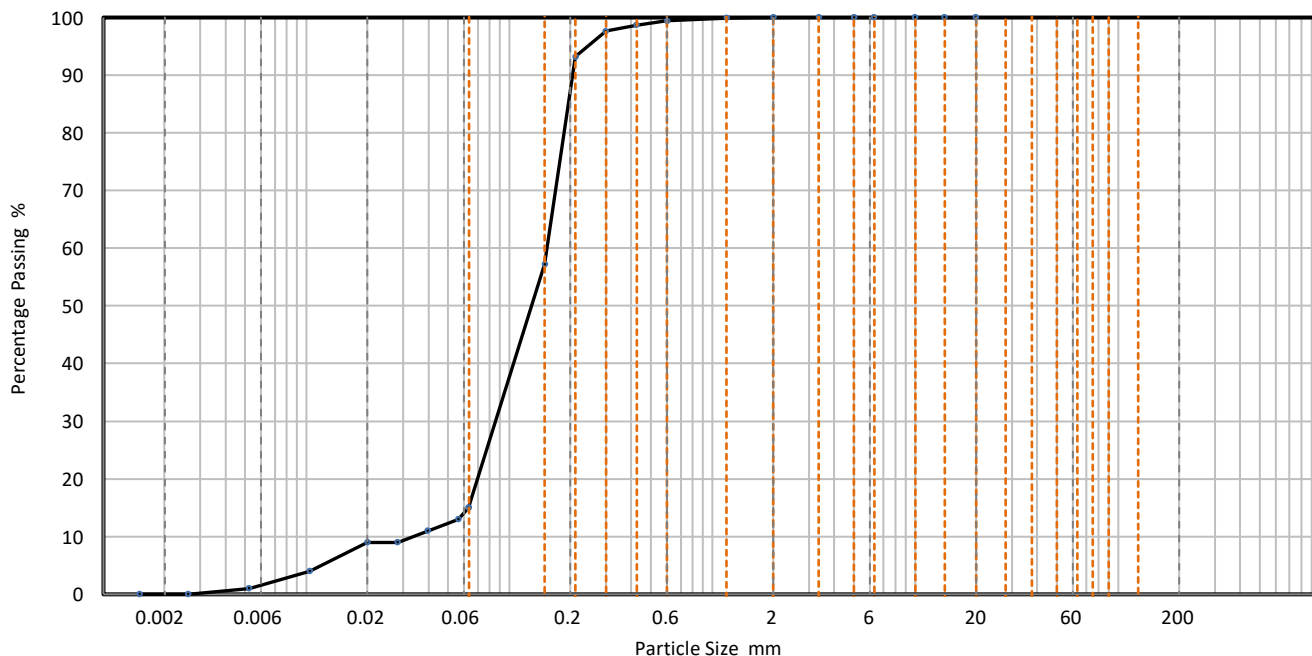
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-117   | Lab sample ID    | G2MT2025091526                         |
| Depth (Top)  | m -13.50 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Silty, SAND                            |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 15        |
|                  |           | 0.0561                                   | 13        |
|                  |           | 0.0398                                   | 11        |
|                  |           | 0.0283                                   | 9         |
|                  |           | 0.0200                                   | 9         |
|                  |           | 0.0104                                   | 4         |
|                  |           | 0.0052                                   | 1         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 99        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 98        |                                          |           |
| 0.212            | 93        |                                          |           |
| 0.15             | 57        |                                          |           |
| 0.063            | 15        |                                          |           |

Dry Mass of sample, g

825

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 85.0       |
| Silt               | 15.0       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.154  |
| D30                    | mm 0.0857 |
| D10                    | mm 0.0317 |
| Uniformity Coefficient | 4.9       |
| Curvature Coefficient  | 1.5       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:19 |

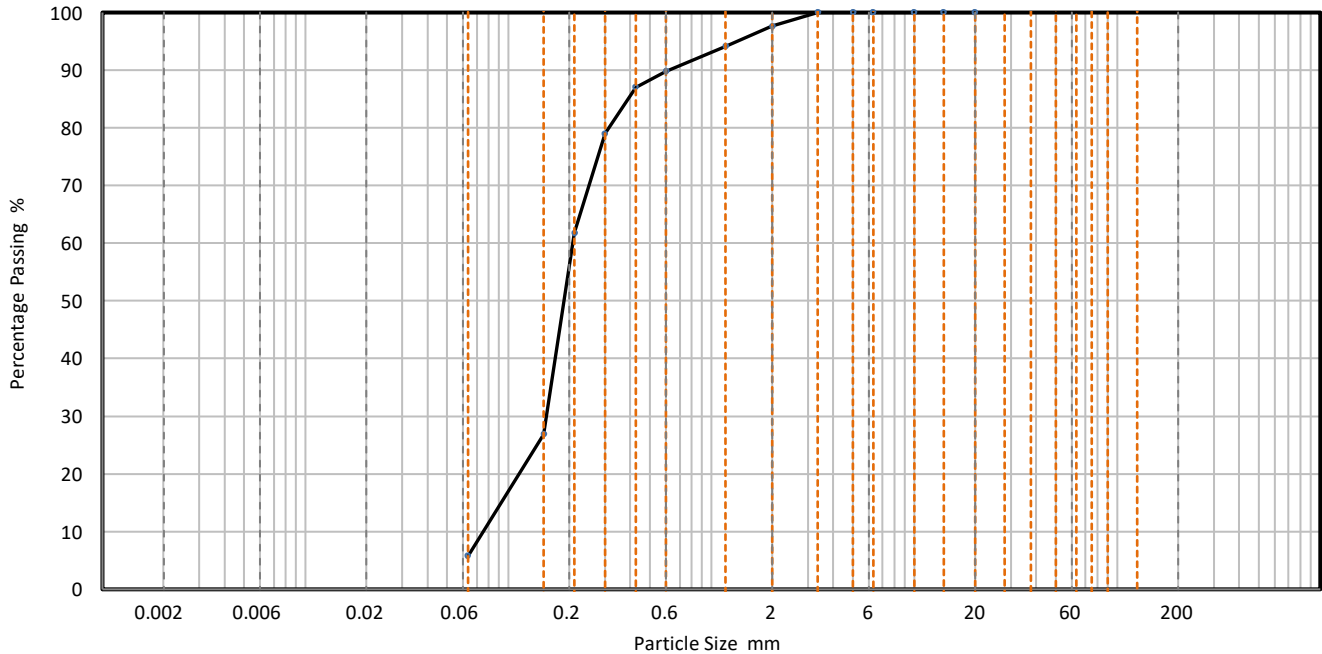
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
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Stockton on Tees  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                 |
|--------------|----------|------------------|---------------------------------|
| Hole         | BH-118   | Lab sample ID    | G2MT202509150                   |
| Depth (Top)  | m -11.60 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2   |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, Clayey, SAND |
| Sample type  | B        |                  |                                 |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 98        |                  |           |
| 1.18             | 94        |                  |           |
| 0.6              | 90        |                  |           |
| 0.425            | 87        |                  |           |
| 0.3              | 79        |                  |           |
| 0.212            | 62        |                  |           |
| 0.15             | 27        |                  |           |
| 0.063            | 6         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 896 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 2.4        |
| Sand               | 91.7       |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm 100    |
| D60                    | mm 0.208  |
| D30                    | mm 0.155  |
| D10                    | mm 0.0748 |
| Uniformity Coefficient | 2.8       |
| Curvature Coefficient  | 1.5       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 09:04 |



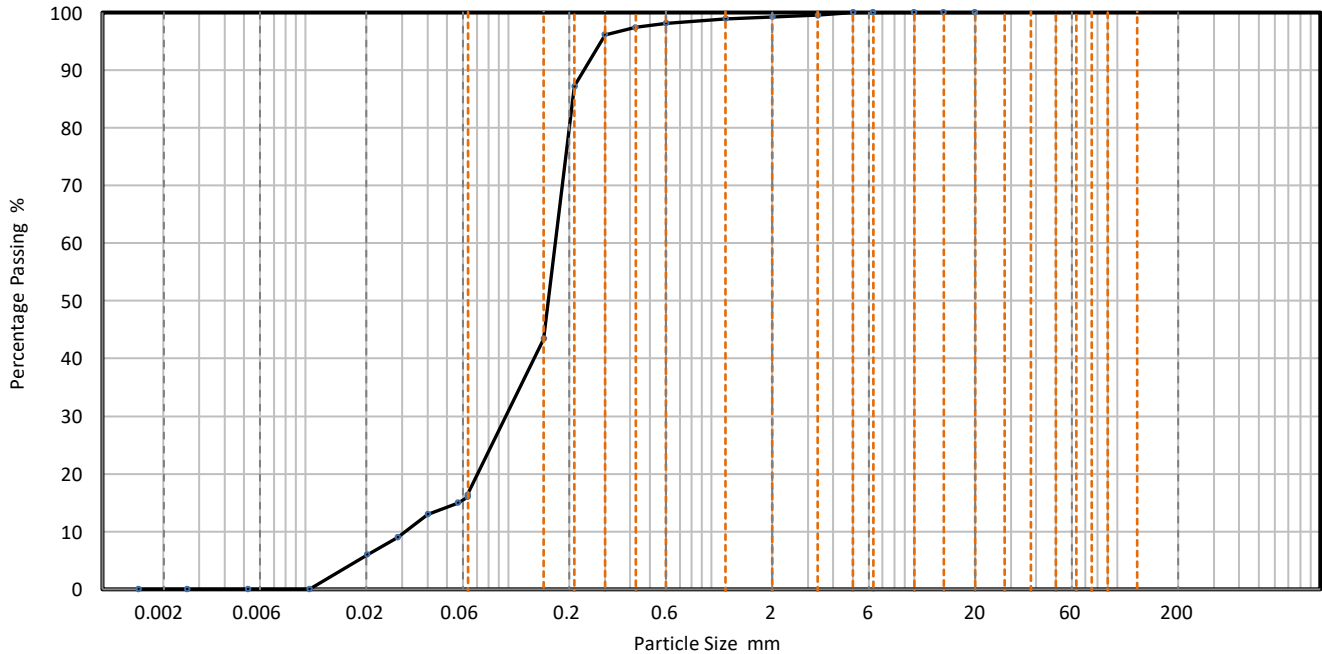
# PARTICLE SIZE DISTRIBUTION

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12-16 Yarm Road  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                        |
|--------------|---------|------------------|----------------------------------------|
| Hole         | BH-119  | Lab sample ID    | G2MT202510023                          |
| Depth (Top)  | m -6.30 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m       | Soil Description | Very slightly Gravelly, Silty, SAND    |
| Sample type  | B       |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 16        |
|                  |           | 0.0568                                   | 15        |
|                  |           | 0.0402                                   | 13        |
|                  |           | 0.0285                                   | 9         |
|                  |           | 0.0202                                   | 6         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0052                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 99        |                                          |           |
| 1.18             | 99        |                                          |           |
| 0.6              | 98        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 97        |                                          |           |
| 0.3              | 96        |                                          |           |
| 0.212            | 87        |                                          |           |
| 0.15             | 43        |                                          |           |
| 0.063            | 16        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 417 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.8        |
| Sand               | 82.9       |
| Silt               | 16.3       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.171  |
| D30                    | mm 0.0976 |
| D10                    | mm 0.0309 |
| Uniformity Coefficient | 5.5       |
| Curvature Coefficient  | 1.8       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/10/2025 10:02 |

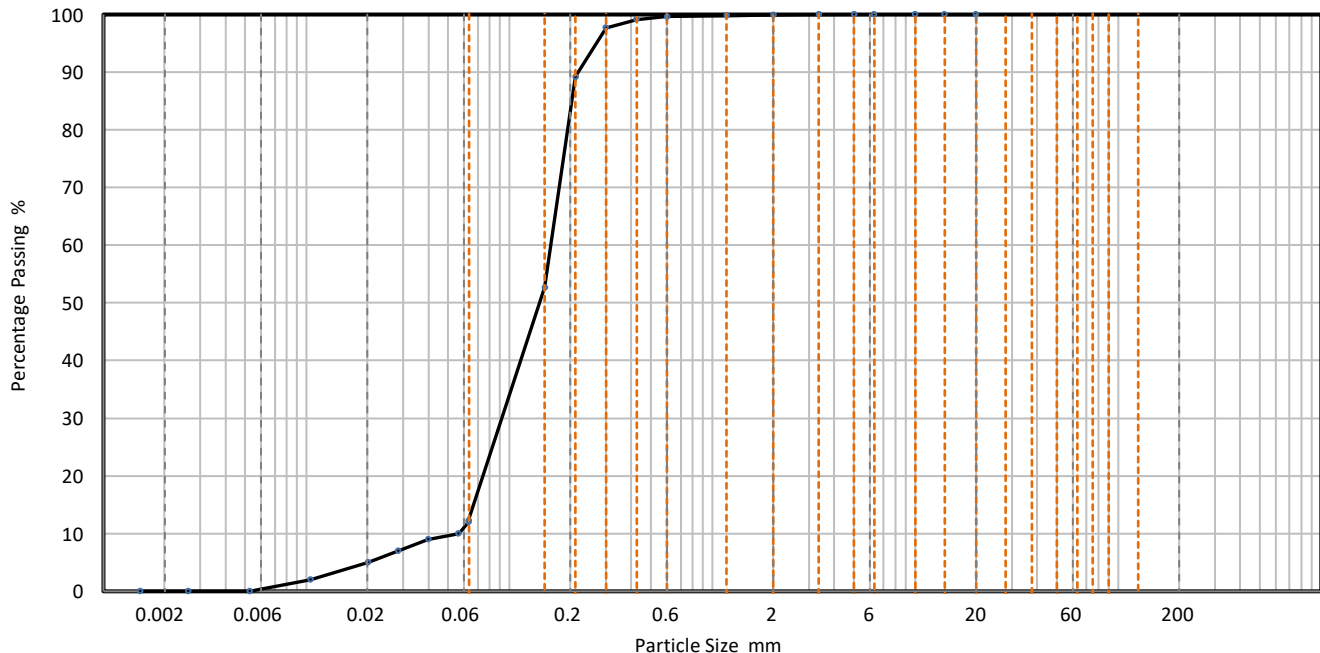
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                        |
|--------------|---------|------------------|----------------------------------------|
| Hole         | BH-119  | Lab sample ID    | G2MT202510024                          |
| Depth (Top)  | m -9.30 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m       | Soil Description | Very slightly Gravelly, Silty, SAND    |
| Sample type  | B       |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 12        |
|                  |           | 0.0563                                   | 10        |
|                  |           | 0.0399                                   | 9         |
|                  |           | 0.0284                                   | 7         |
|                  |           | 0.0202                                   | 5         |
|                  |           | 0.0105                                   | 2         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 98        |                                          |           |
| 0.212            | 89        |                                          |           |
| 0.15             | 53        |                                          |           |
| 0.063            | 12        |                                          |           |

Dry Mass of sample, g

887

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 87.6       |
| Silt               | 12.3       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.161  |
| D30                    | mm 0.0921 |
| D10                    | mm 0.0485 |
| Uniformity Coefficient | 3.3       |
| Curvature Coefficient  | 1.1       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 12:58 |

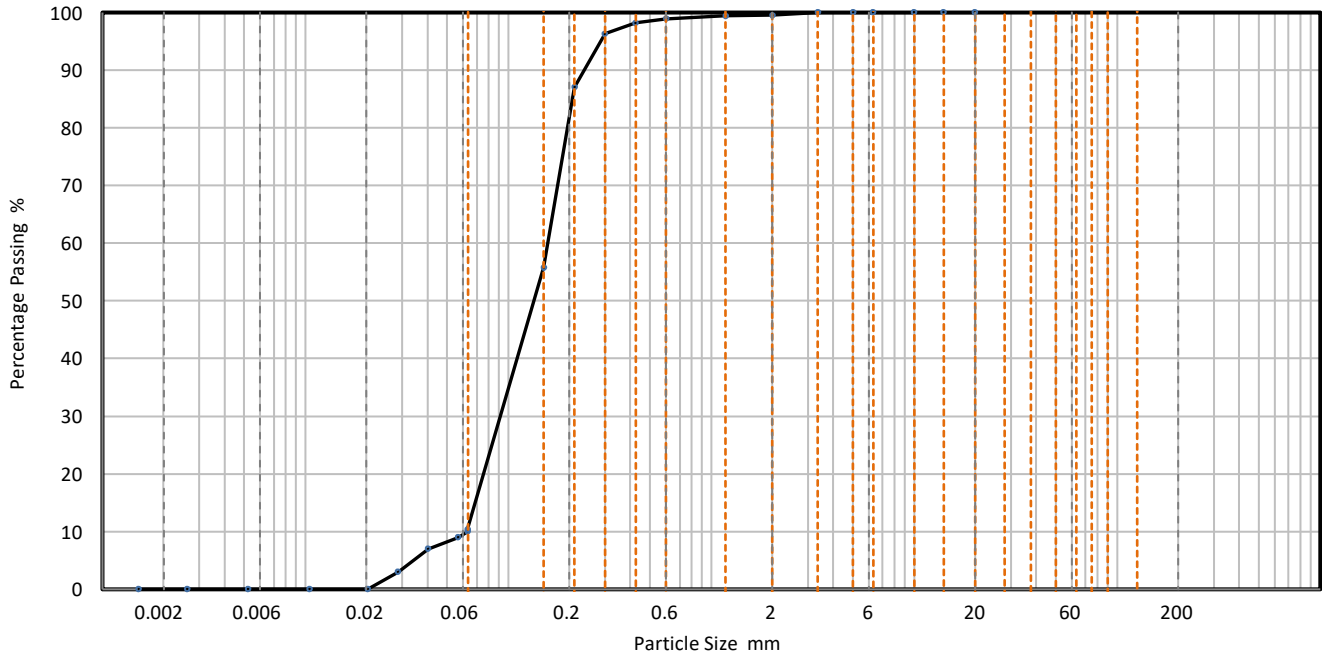
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-119   | Lab sample ID    | G2MT202510026                          |
| Depth (Top)  | m -12.30 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, Silty, SAND    |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 10        |
|                  |           | 0.0569                                   | 9         |
|                  |           | 0.0403                                   | 7         |
|                  |           | 0.0286                                   | 3         |
|                  |           | 0.0203                                   | 0         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0052                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 99        |                                          |           |
| 0.6              | 99        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 98        |                                          |           |
| 0.3              | 96        |                                          |           |
| 0.212            | 87        |                                          |           |
| 0.15             | 56        |                                          |           |
| 0.063            | 10        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 519 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.5        |
| Sand               | 89.1       |
| Silt               | 10.4       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.157  |
| D30                    | mm 0.0916 |
| D10                    | mm 0.0614 |
| Uniformity Coefficient | 2.6       |
| Curvature Coefficient  | 0.87      |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/10/2025 10:04 |

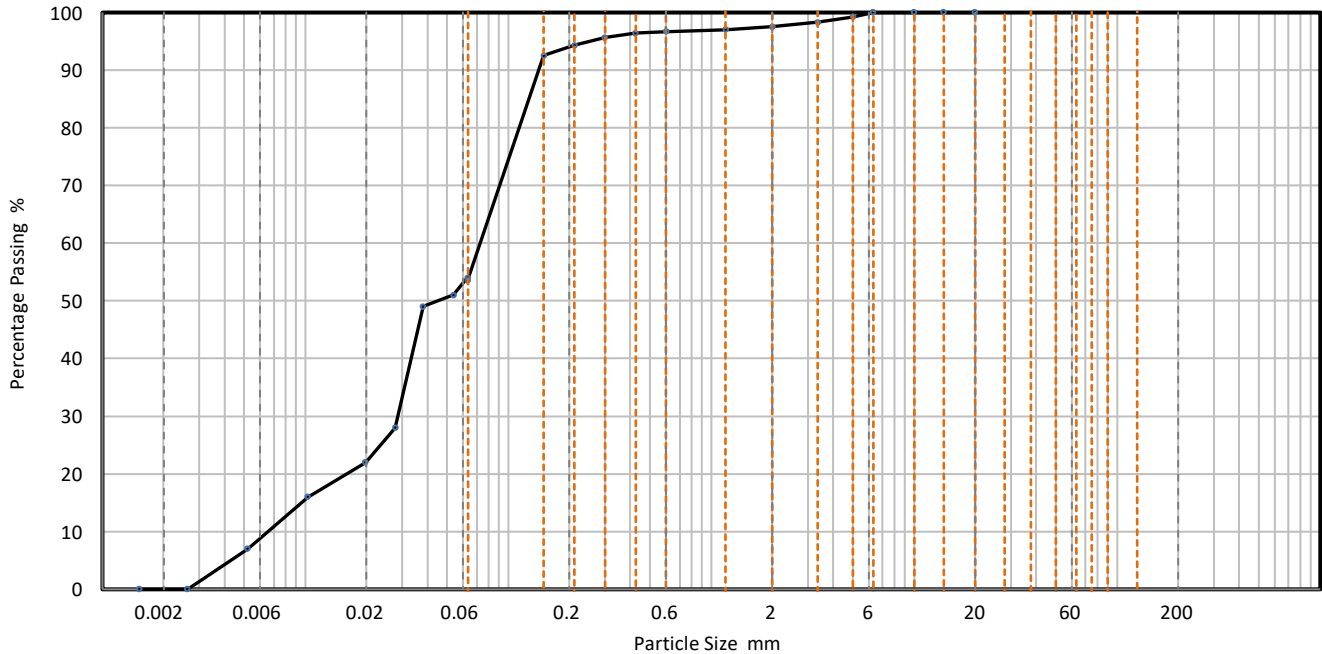
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-119   | Lab sample ID    | G2MT202510028                          |
| Depth (Top)  | m -19.80 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, very Sandy, SILT    |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 54        |
|                  |           | 0.0537                                   | 51        |
|                  |           | 0.0381                                   | 49        |
|                  |           | 0.0278                                   | 28        |
|                  |           | 0.0198                                   | 22        |
|                  |           | 0.0103                                   | 16        |
|                  |           | 0.0052                                   | 7         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 99        |                                          |           |
| 3.35             | 98        |                                          |           |
| 2                | 98        |                                          |           |
| 1.18             | 97        |                                          |           |
| 0.6              | 97        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 96        |                                          |           |
| 0.3              | 96        |                                          |           |
| 0.212            | 94        |                                          |           |
| 0.15             | 93        |                                          |           |
| 0.063            | 54        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 835 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 2.5        |
| Sand               | 44.0       |
| Silt               | 53.5       |
| Clay               | 0.0        |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0727  |
| D30                    | mm 0.0286  |
| D10                    | mm 0.00646 |
| Uniformity Coefficient | 11         |
| Curvature Coefficient  | 1.7        |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

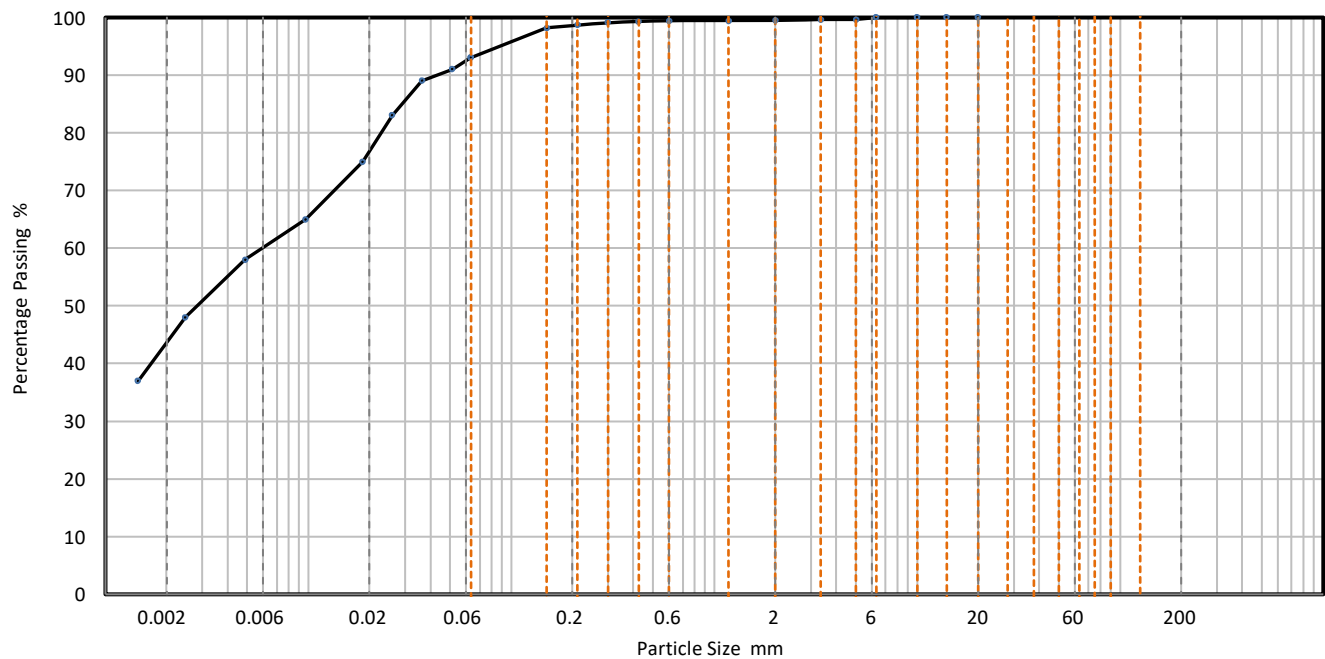
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 12:54 |

|                            |            |                                                                                                                    |                                                                                             |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                             |

|              |          |                  |                                                           |
|--------------|----------|------------------|-----------------------------------------------------------|
| Hole         | BH-119   | Lab sample ID    | G2MT2025100210                                            |
| Depth (Top)  | m -21.30 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5                    |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, slightly Sandy, very Clayey, SILT |
| Sample type  | B        |                  |                                                           |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 93        |
|                  |           | 0.0513                                   | 91        |
|                  |           | 0.0364                                   | 89        |
|                  |           | 0.0259                                   | 83        |
|                  |           | 0.0185                                   | 75        |
|                  |           | 0.0097                                   | 65        |
|                  |           | 0.0049                                   | 58        |
| 20               | 100       | 0.0025                                   | 48        |
| 14               | 100       | 0.0014                                   | 37        |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 99        |                                          |           |
| 0.6              | 99        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 99        |                                          |           |
| 0.15             | 98        |                                          |           |
| 0.063            | 93        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 679 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.5        |
| Sand               | 6.5        |
| Silt               | 49.3       |
| Clay               | 43.7       |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.00612 |
| D30                    | mm         |
| D10                    | mm         |
| Uniformity Coefficient |            |
| Curvature Coefficient  |            |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

**Accreditation status**  
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

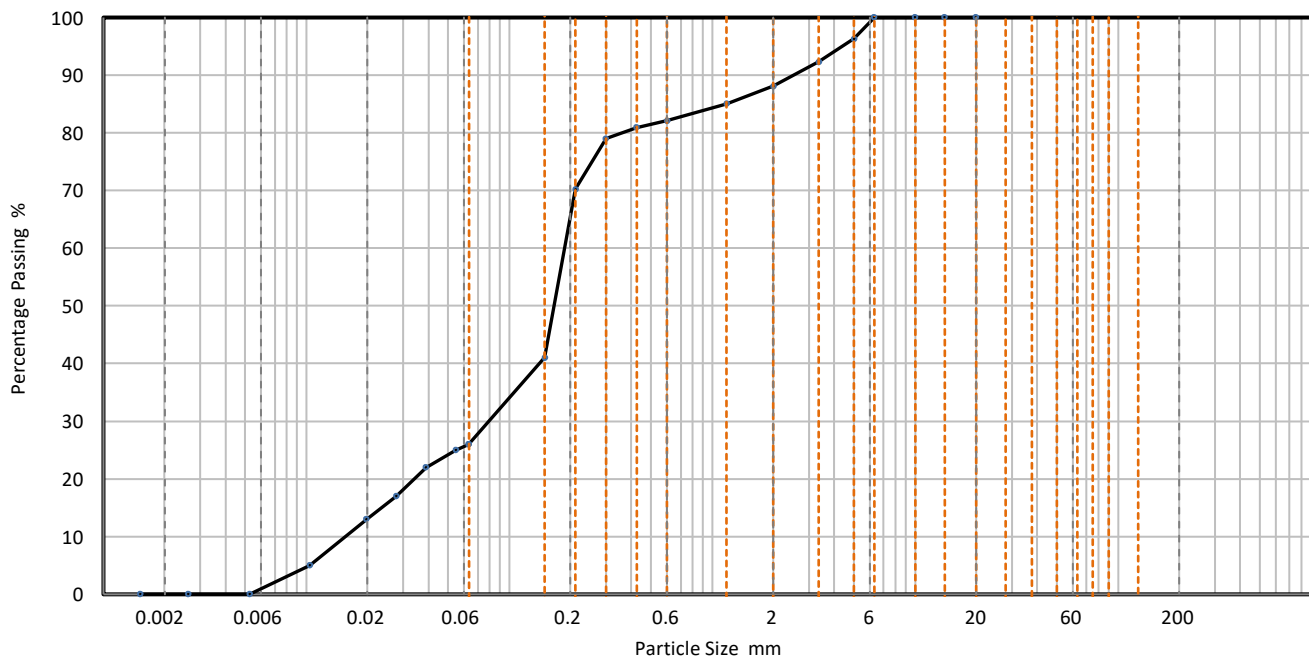
|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 15/10/2025 09:22 |

# PARTICLE SIZE DISTRIBUTION

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|                            |         |                  |                                        |
|----------------------------|---------|------------------|----------------------------------------|
| Site name                  |         | Job number       |                                        |
| Marine GI - Ardersier Port |         | S250403          |                                        |
| Hole                       | BH-201  | Lab sample ID    | G2MT2025101434                         |
| Depth (Top)                | m -5.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base)               | m       | Soil Description | Gravelly,very Silty, SAND              |
| Sample type                | B       |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 26        |
|                  |           | 0.0545                                   | 25        |
|                  |           | 0.0389                                   | 22        |
|                  |           | 0.0278                                   | 17        |
|                  |           | 0.0198                                   | 13        |
|                  |           | 0.0104                                   | 5         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 96        |                                          |           |
| 3.35             | 92        |                                          |           |
| 2                | 88        |                                          |           |
| 1.18             | 85        |                                          |           |
| 0.6              | 82        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 81        |                                          |           |
| 0.3              | 79        |                                          |           |
| 0.212            | 70        |                                          |           |
| 0.15             | 41        |                                          |           |
| 0.063            | 26        |                                          |           |

Dry Mass of sample, g 328

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 11.9       |
| Sand               | 62.1       |
| Silt               | 26.0       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.188  |
| D30                    | mm 0.0794 |
| D10                    | mm 0.0156 |
| Uniformity Coefficient | 12        |
| Curvature Coefficient  | 2.2       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

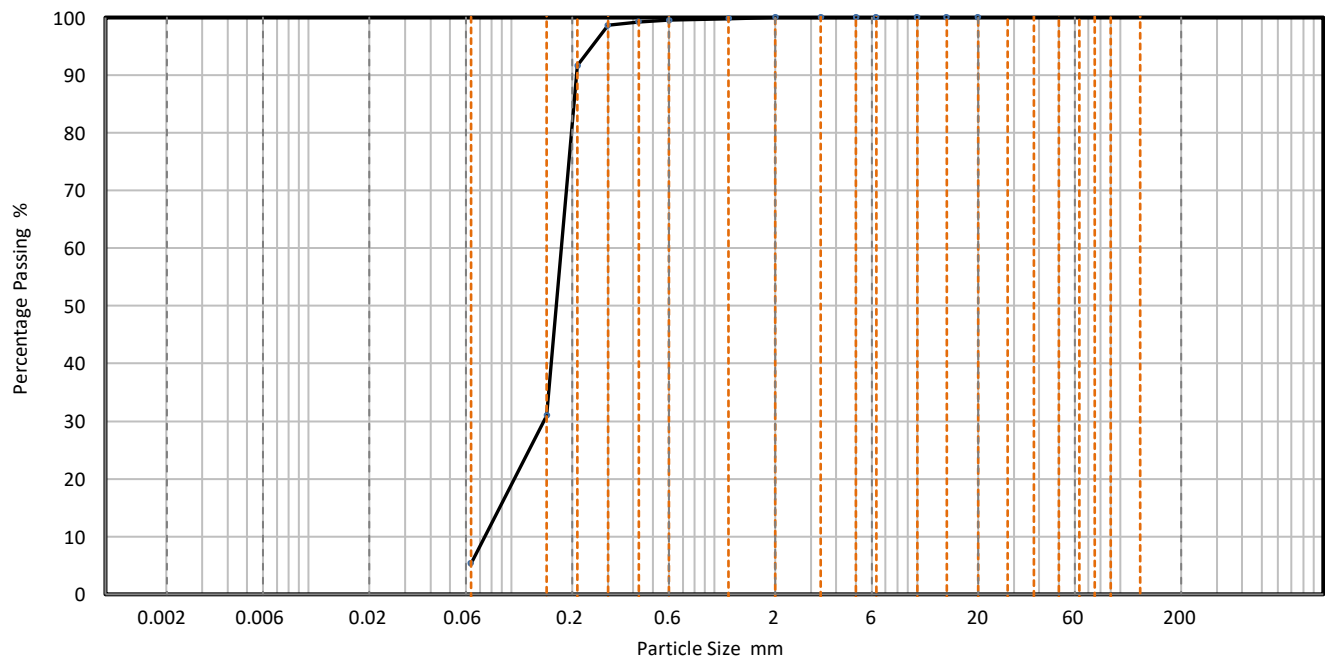
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:38 |

|                                   |            |                                                                                                                    |                                                                                             |
|-----------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>PARTICLE SIZE DISTRIBUTION</b> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                         | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port        | S250403    |                                                                                                                    |                                                                                             |

|              |         |                  |                               |
|--------------|---------|------------------|-------------------------------|
| Hole         | BH-201  | Lab sample ID    | G2MT2025101435                |
| Depth (Top)  | m -6.50 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m       | Soil Description | Slightly Silty, SAND          |
| Sample type  | B       |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 92        |                  |           |
| 0.15             | 31        |                  |           |
| 0.063            | 5         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 768 |
|-----------------------|-----|

|                           |            |
|---------------------------|------------|
| <b>Sample Proportions</b> | % dry mass |
| Very coarse               | 0.0        |
| Gravel                    | 0.0        |
| Sand                      | 94.6       |
| Fines <0.063mm            | 5.0        |

|                         |           |
|-------------------------|-----------|
| <b>Grading Analysis</b> |           |
| D100                    | mm        |
| D60                     | mm 0.177  |
| D30                     | mm 0.145  |
| D10                     | mm 0.0737 |
| Uniformity Coefficient  | 2.4       |
| Curvature Coefficient   | 1.6       |

|                                                                           |
|---------------------------------------------------------------------------|
| <b>Remarks</b>                                                            |
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

**Accreditation status**  
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 10:10 |

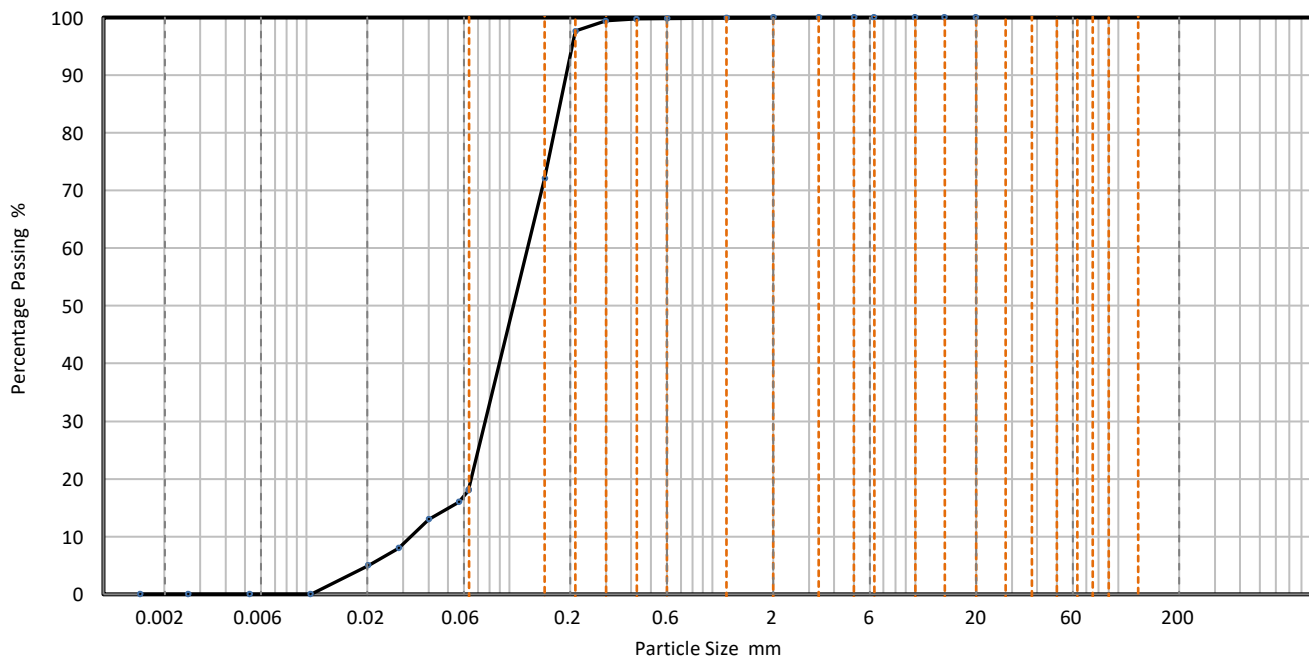
# PARTICLE SIZE DISTRIBUTION

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12-16 Yarm Road  
Stockton on Tees  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-201   | Lab sample ID    | G2MT2025101436                         |
| Depth (Top)  | m -11.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Silty, SAND                            |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 18        |
|                  |           | 0.0566                                   | 16        |
|                  |           | 0.0401                                   | 13        |
|                  |           | 0.0286                                   | 8         |
|                  |           | 0.0203                                   | 5         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 98        |                                          |           |
| 0.15             | 72        |                                          |           |
| 0.063            | 18        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 818 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 81.9       |
| Silt               | 18.1       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.124  |
| D30                    | mm 0.0763 |
| D10                    | mm 0.0329 |
| Uniformity Coefficient | 3.8       |
| Curvature Coefficient  | 1.4       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:40 |





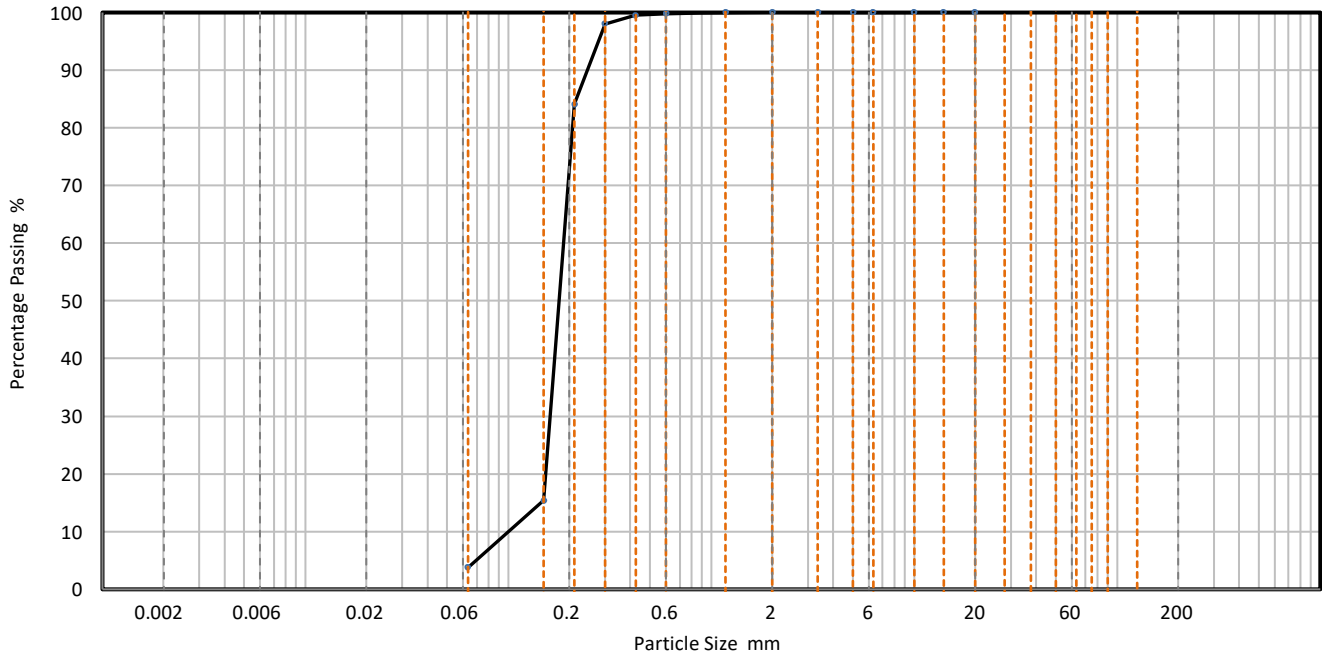
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-202 | Lab sample ID    | G2MT2025101430                |
| Depth (Top) m  | -4.20  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 84        |                  |           |
| 0.15             | 15        |                  |           |
| 0.063            | 4         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1025 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 96.2       |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

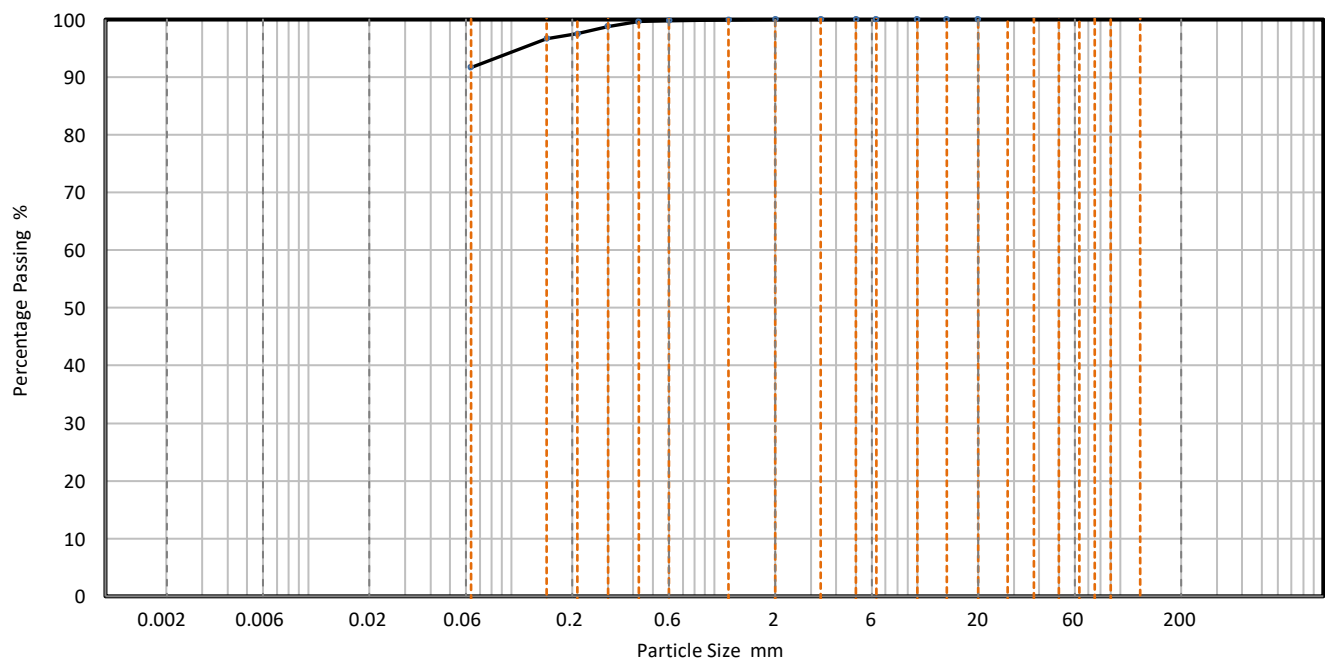
|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 19/01/2026 15:13 |





|                                     |            |                                                                                                                    |                                                                                              |
|-------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <h1>PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                           | Job number |                                                                                                                    |                                                                                              |
| Marine GI - Ardersier Port          | S250403    |                                                                                                                    |                                                                                              |

|              |   |        |                  |                               |
|--------------|---|--------|------------------|-------------------------------|
| Hole         |   | BH-202 | Lab sample ID    | G2MT2025101432                |
| Depth (Top)  | m | -13.20 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m |        | Soil Description | Sandy CLAY                    |
| Sample type  |   | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 98        |                  |           |
| 0.15             | 97        |                  |           |
| 0.063            | 92        |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 911 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 8.2        |
| Fines <0.063mm     | 92.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**  
 Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 13/01/2026 12:53 |

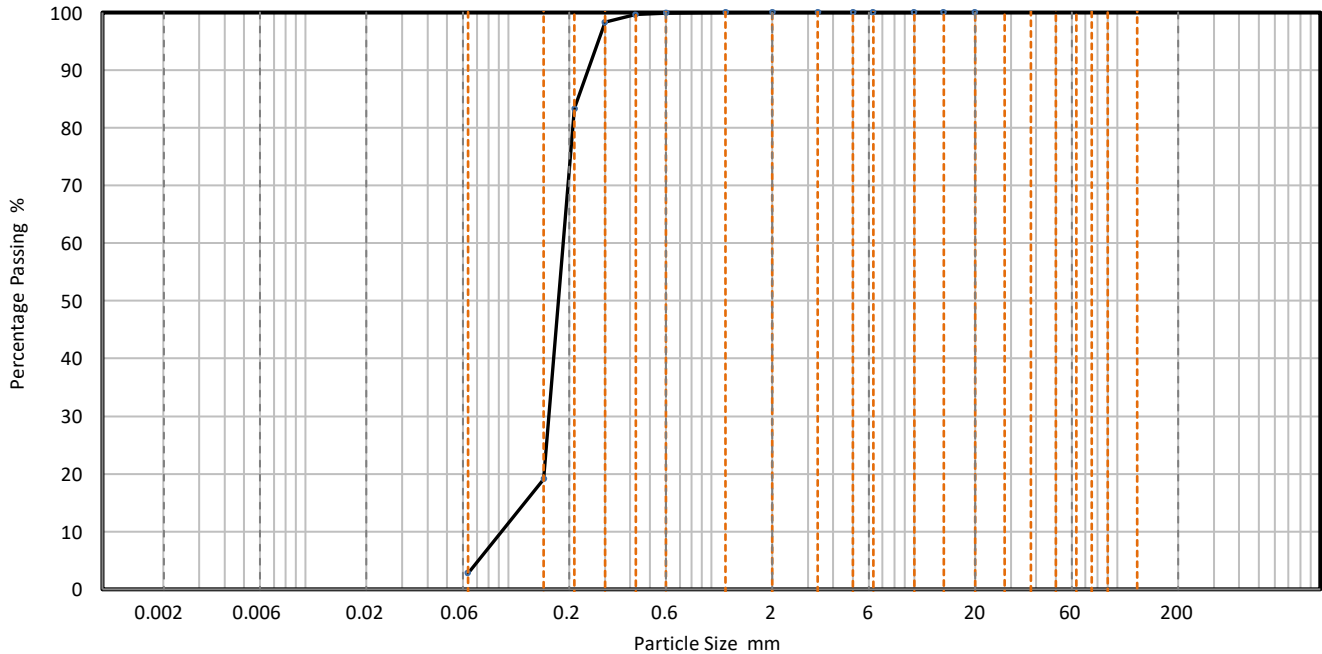
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-203 | Lab sample ID    | G2MT2025091548                |
| Depth (Top) m  | -6.00  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Clayey, SAND         |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 83        |                  |           |
| 0.15             | 19        |                  |           |
| 0.063            | 3         |                  |           |

Dry Mass of sample, g

864

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 97.2       |
|                    |            |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2   |
| Curvature Coefficient  | 1.5 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 09:20 |

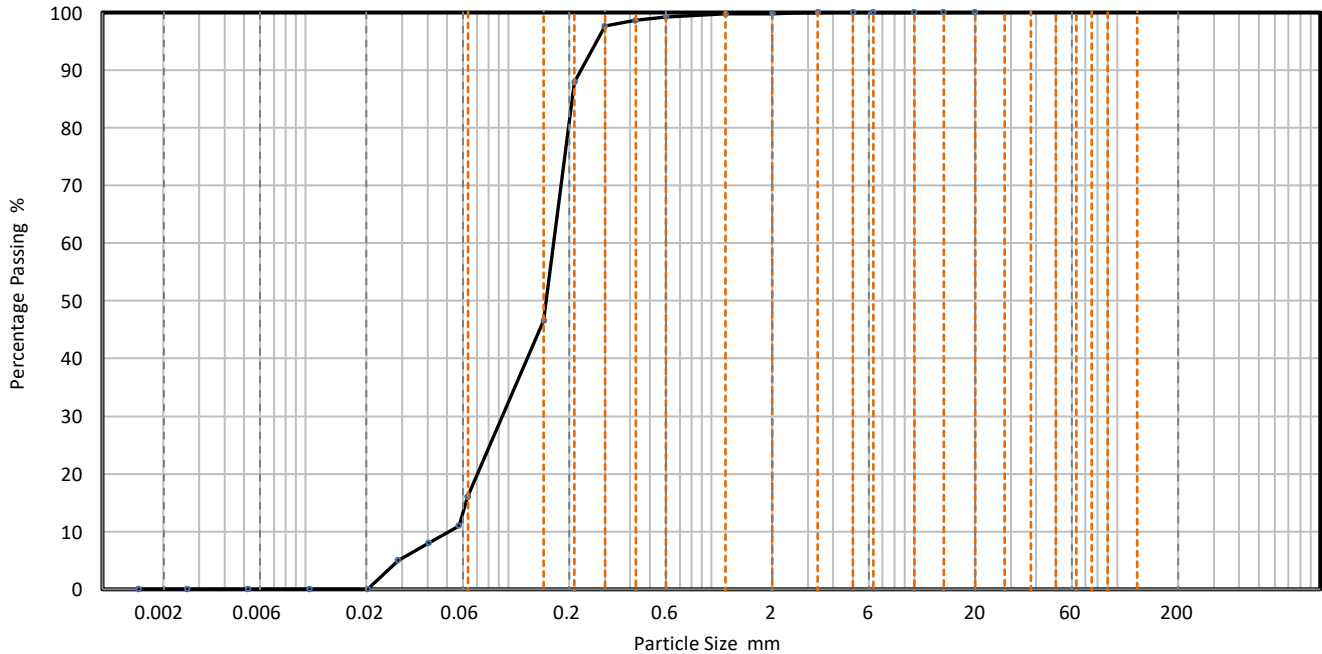
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-203   | Lab sample ID    | G2MT2025091552                         |
| Depth (Top)  | m -10.50 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, Silty, SAND    |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 16        |
|                  |           | 0.0572                                   | 11        |
|                  |           | 0.0405                                   | 8         |
|                  |           | 0.0287                                   | 5         |
|                  |           | 0.0203                                   | 0         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0052                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 99        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 98        |                                          |           |
| 0.212            | 88        |                                          |           |
| 0.15             | 47        |                                          |           |
| 0.063            | 16        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 840 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.2        |
| Sand               | 83.8       |
| Silt               | 16.0       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.168  |
| D30                    | mm 0.0936 |
| D10                    | mm 0.0525 |
| Uniformity Coefficient | 3.2       |
| Curvature Coefficient  | 1         |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:06 |

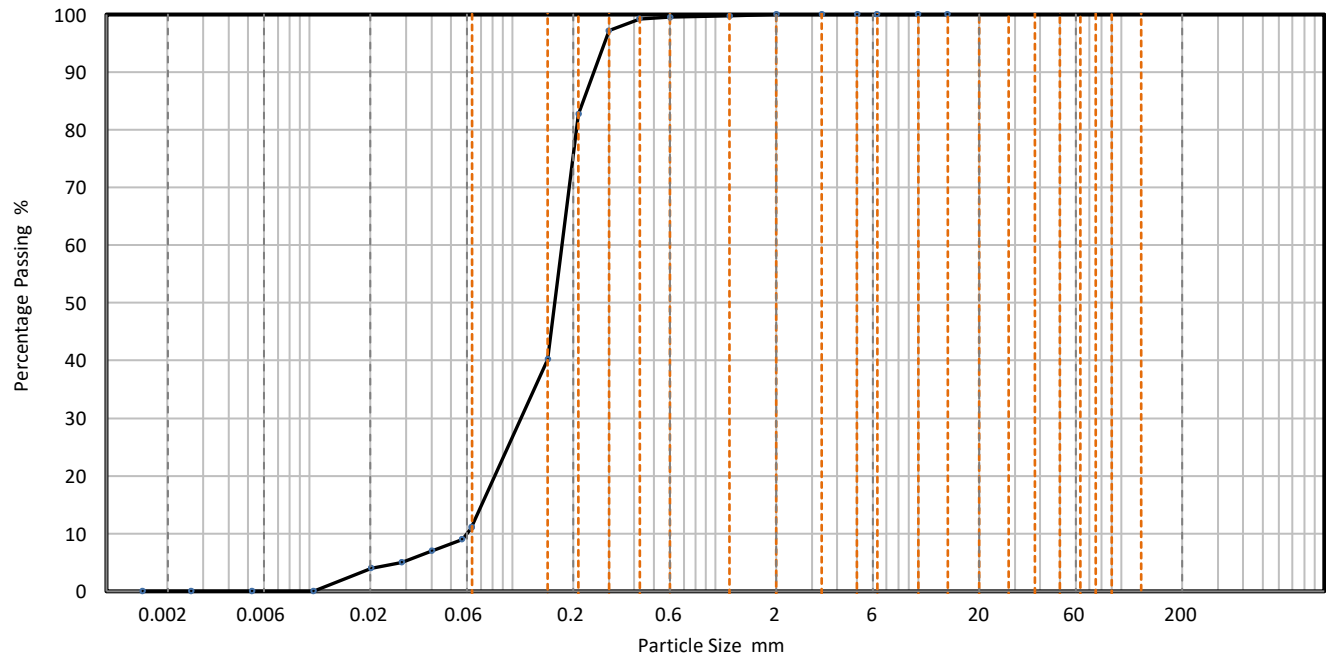
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-203   | Lab sample ID    | G2MT2025091554                         |
| Depth (Top)  | m -15.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Silty, SAND                            |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 11        |
|                  |           | 0.0568                                   | 9         |
|                  |           | 0.0403                                   | 7         |
|                  |           | 0.0286                                   | 5         |
|                  |           | 0.0202                                   | 4         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0052                                   | 0         |
|                  |           | 0.0026                                   | 0         |
|                  |           | 0.0015                                   | 0         |
| 14               | 100       |                                          |           |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 97        |                                          |           |
| 0.212            | 83        |                                          |           |
| 0.15             | 40        |                                          |           |
| 0.063            | 11        |                                          |           |

Dry Mass of sample, g

914

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 88.9       |
| Silt               | 11.1       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.176  |
| D30                    | mm 0.111  |
| D10                    | mm 0.0593 |
| Uniformity Coefficient | 3         |
| Curvature Coefficient  | 1.2       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

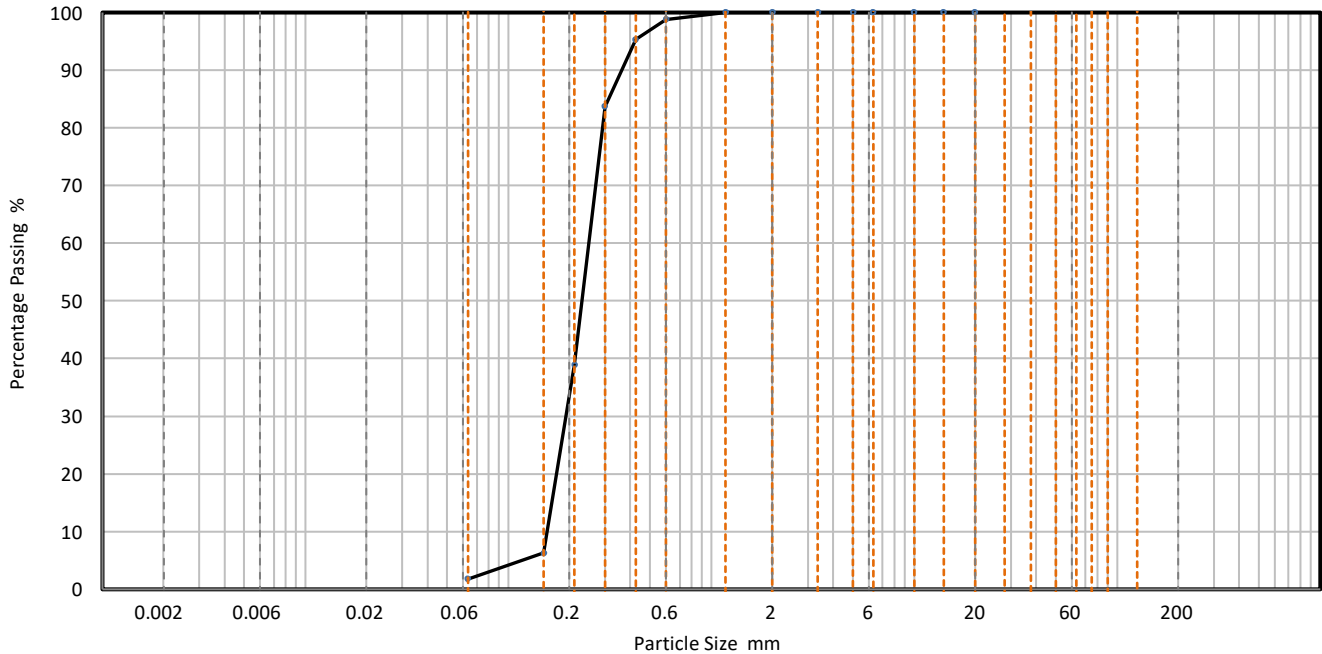
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:12 |



|                            |            |                                                                                                                    |                                                                                             |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                             |

|              |   |        |                  |                               |
|--------------|---|--------|------------------|-------------------------------|
| Hole         |   | BH-205 | Lab sample ID    | G2MT2025101444                |
| Depth (Top)  | m | -2.08  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m |        | Soil Description | Slightly Silty, SAND          |
| Sample type  |   | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 95        |                  |           |
| 0.3              | 84        |                  |           |
| 0.212            | 39        |                  |           |
| 0.15             | 6         |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

1150

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 98.2       |
|                    |            |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 0.25  |
| D30                    | mm | 0.193 |
| D10                    | mm | 0.156 |
| Uniformity Coefficient |    | 1.6   |
| Curvature Coefficient  |    | 0.96  |

|         |
|---------|
| Remarks |
|---------|

Preparation and testing in accordance with test method unless noted below

### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 10:12 |

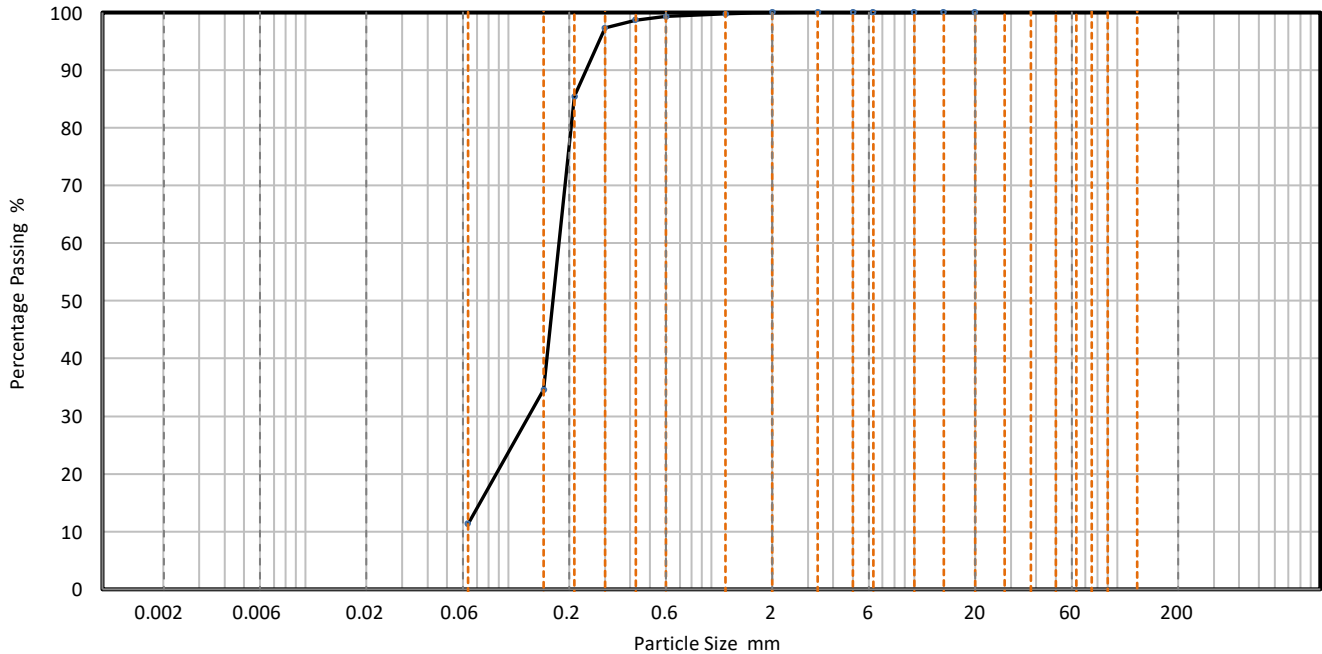
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-205 | Lab sample ID    | G2MT2025101445                |
| Depth (Top) m  | -6.80  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Clayey SAND                   |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 97        |                  |           |
| 0.212            | 85        |                  |           |
| 0.15             | 35        |                  |           |
| 0.063            | 11        |                  |           |

Dry Mass of sample, g

1054

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 88.6       |
|                    |            |
| Fines <0.063mm     | 11.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

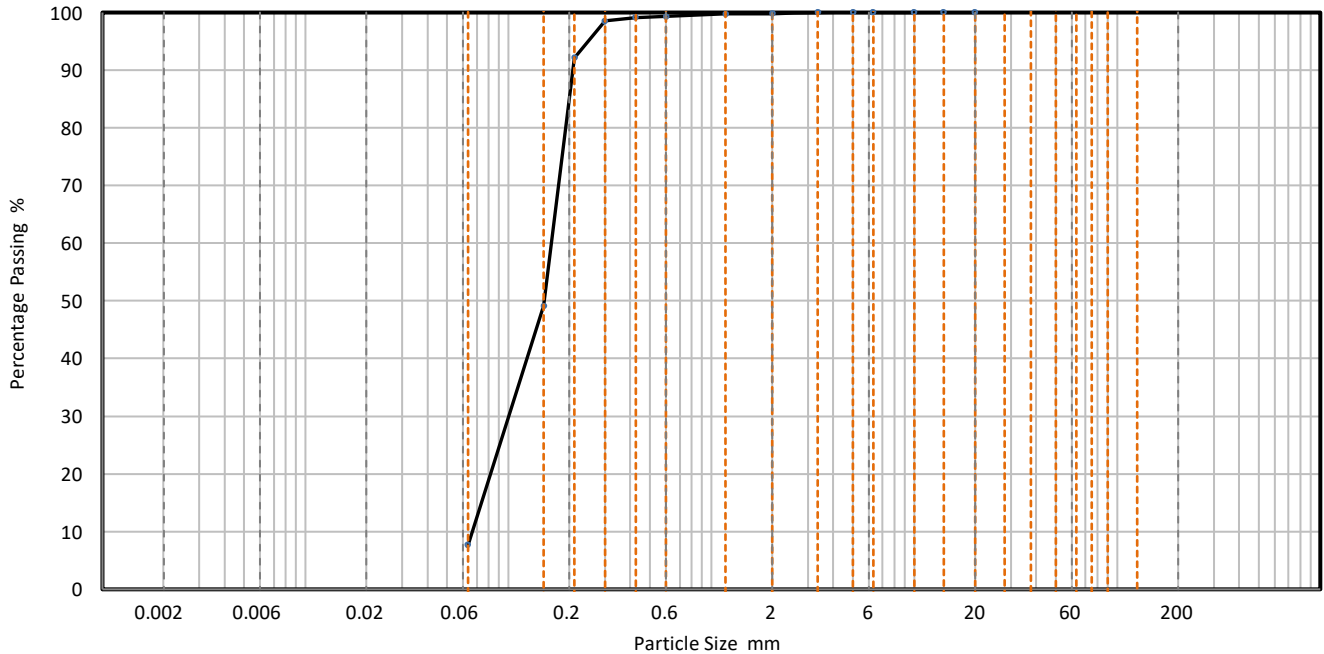
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 13/01/2026 12:53 |

|                                     |            |                                                                                                                                                                                                                |                                                                                    |
|-------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <h1>PARTICLE SIZE DISTRIBUTION</h1> |            | <p>G2M Testing (Stockton)<br/>         12-16 Yarm Road<br/>         Stockton on Tees<br/>         TS18 3NA<br/>         01642 033318<br/> <a href="mailto:info@g2mtesting.co.uk">info@g2mtesting.co.uk</a></p> |  |
| Site name                           | Job number |                                                                                                                                                                                                                |                                                                                    |
| Marine GI - Ardersier Port          | S250403    |                                                                                                                                                                                                                |                                                                                    |

|              |   |        |                  |                                              |
|--------------|---|--------|------------------|----------------------------------------------|
| Hole         |   | BH-205 | Lab sample ID    | G2MT2025101446                               |
| Depth (Top)  | m | -11.30 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 92        |                  |           |
| 0.15             | 49        |                  |           |
| 0.063            | 8         |                  |           |

Dry Mass of sample, g

1040

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.2        |
| Sand               | 92.1       |
|                    |            |
| Fines <0.063mm     | 8.0        |

| Grading Analysis       |    |        |
|------------------------|----|--------|
| D100                   | mm |        |
| D60                    | mm | 0.164  |
| D30                    | mm | 0.101  |
| D10                    | mm | 0.0661 |
| Uniformity Coefficient |    | 2.5    |
| Curvature Coefficient  |    | 0.93   |

| Remarks |
|---------|
|---------|

Preparation and testing in accordance with test method unless noted below

### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 09:52 |

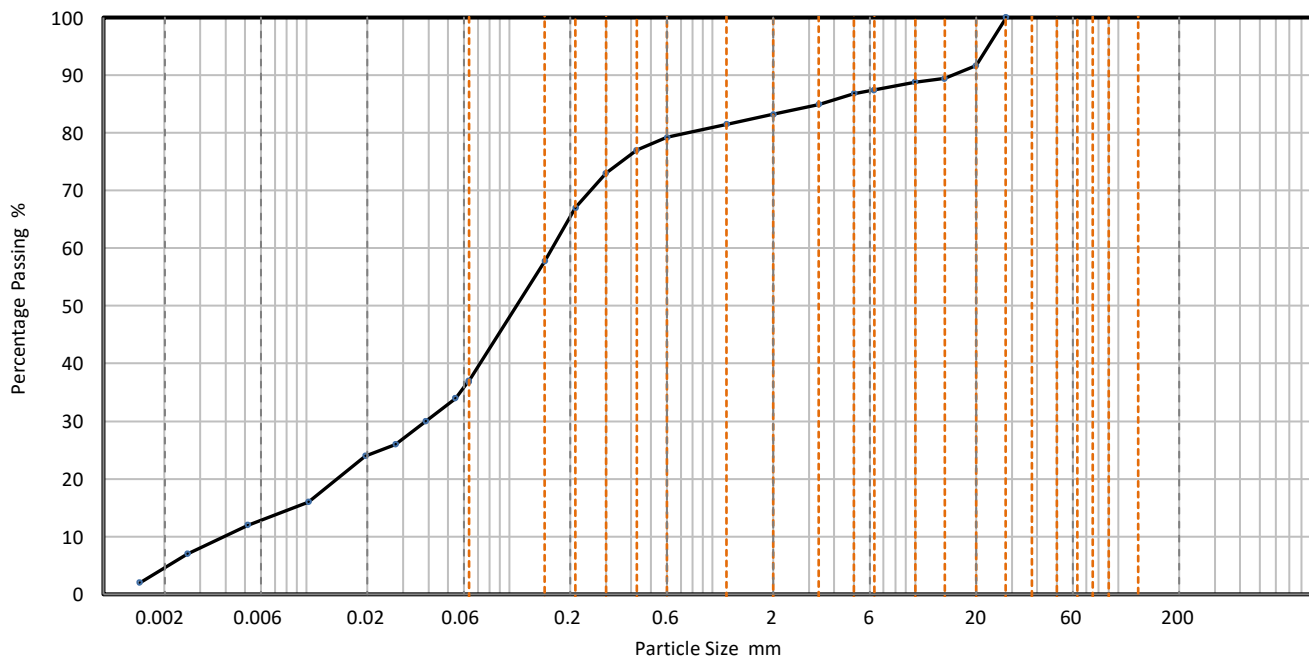
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                             |
|--------------|----------|------------------|---------------------------------------------|
| Hole         | BH-205   | Lab sample ID    | G2MT2025101443                              |
| Depth (Top)  | m -17.12 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5      |
| Depth (Base) | m        | Soil Description | Slightly Clayey, Gravelly, very Silty, SAND |
| Sample type  | U        |                  |                                             |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 37        |
|                  |           | 0.0544                                   | 34        |
|                  |           | 0.0388                                   | 30        |
|                  |           | 0.0276                                   | 26        |
|                  |           | 0.0196                                   | 24        |
|                  |           | 0.0103                                   | 16        |
| 28               | 100       | 0.0052                                   | 12        |
| 20               | 92        | 0.0026                                   | 7         |
| 14               | 89        | 0.0015                                   | 2         |
| 10               | 89        |                                          |           |
| 6.3              | 87        |                                          |           |
| 5                | 87        |                                          |           |
| 3.35             | 85        |                                          |           |
| 2                | 83        |                                          |           |
| 1.18             | 82        |                                          |           |
| 0.6              | 79        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 77        |                                          |           |
| 0.3              | 73        |                                          |           |
| 0.212            | 67        |                                          |           |
| 0.15             | 58        |                                          |           |
| 0.063            | 37        |                                          |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1109 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 16.8       |
| Sand               | 46.3       |
| Silt               | 32.6       |
| Clay               | 4.3        |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm 28      |
| D60                    | mm 0.163   |
| D30                    | mm 0.04    |
| D10                    | mm 0.00387 |
| Uniformity Coefficient | 42         |
| Curvature Coefficient  | 2.5        |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:57 |

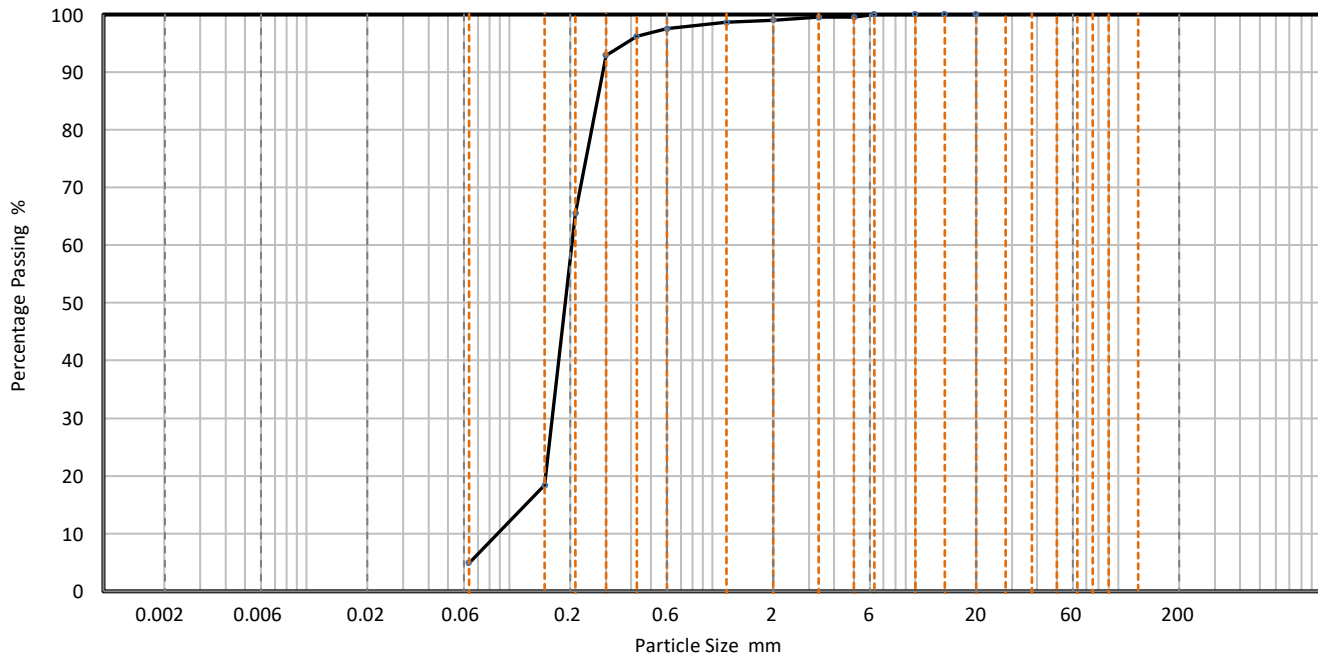
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                         |
|--------------|---------|------------------|-----------------------------------------|
| Hole         | BH-206  | Lab sample ID    | G2MT2025101449                          |
| Depth (Top)  | m -6.20 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m       | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  | B       |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 98        |                  |           |
| 0.425            | 96        |                  |           |
| 0.3              | 93        |                  |           |
| 0.212            | 66        |                  |           |
| 0.15             | 18        |                  |           |
| 0.063            | 5         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1453 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.0        |
| Sand               | 94.1       |
|                    |            |
| Fines <0.063mm     | 5.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.204  |
| D30                    | mm 0.163  |
| D10                    | mm 0.0873 |
| Uniformity Coefficient | 2.3       |
| Curvature Coefficient  | 1.5       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

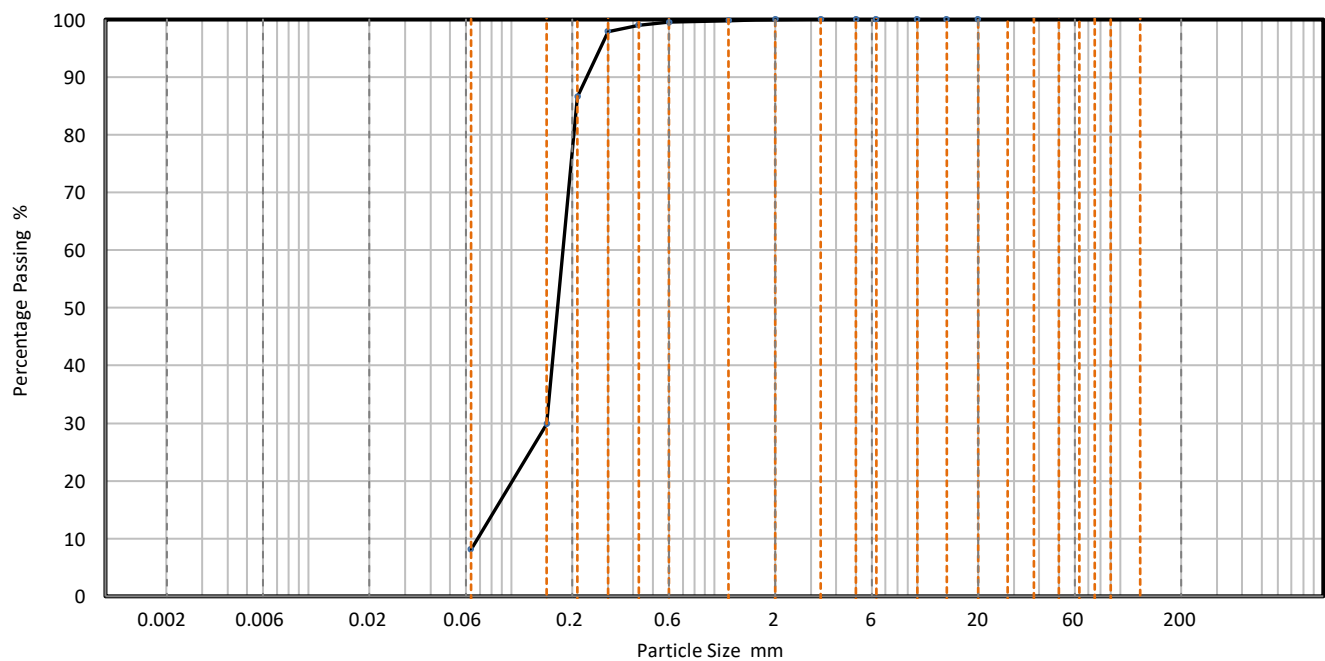
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/10/2025 10:28 |

|                                     |            |                                                                                                                    |                                                                                              |
|-------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <h1>PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                           | Job number |                                                                                                                    |                                                                                              |
| Marine GI - Ardersier Port          | S250403    |                                                                                                                    |                                                                                              |

|              |   |        |                  |                               |
|--------------|---|--------|------------------|-------------------------------|
| Hole         |   | BH-206 | Lab sample ID    | G2MT2025101450                |
| Depth (Top)  | m | -10.70 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) | m |        | Soil Description | Slightly Silty, SAND          |
| Sample type  |   | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 87        |                  |           |
| 0.15             | 30        |                  |           |
| 0.063            | 8         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 879 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 91.9       |
| Fines <0.063mm     | 8.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.7 |
| Curvature Coefficient  | 1.8 |

**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**  
 Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 27/10/2025 09:34 |

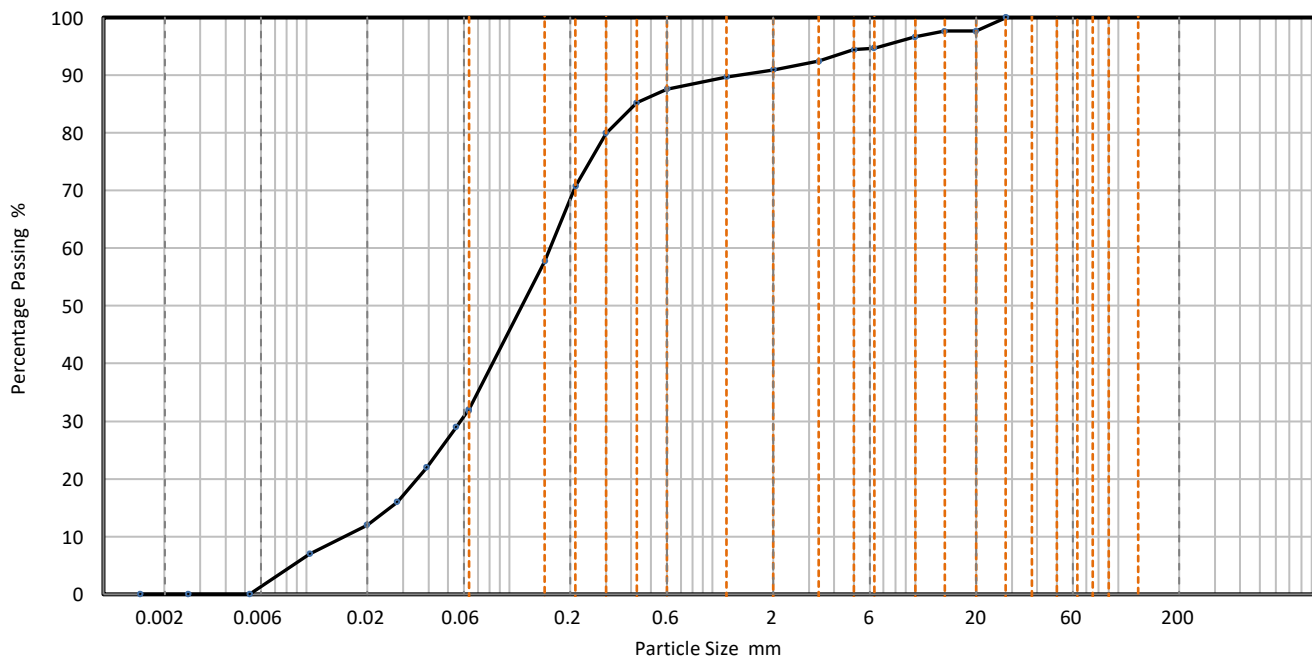
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-206   | Lab sample ID    | G2MT2025101451                         |
| Depth (Top)  | m -13.70 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, very Silty, SAND    |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 32        |
|                  |           | 0.0547                                   | 29        |
|                  |           | 0.0392                                   | 22        |
|                  |           | 0.0280                                   | 16        |
|                  |           | 0.0199                                   | 12        |
|                  |           | 0.0104                                   | 7         |
| 28               | 100       | 0.0053                                   | 0         |
| 20               | 98        | 0.0026                                   | 0         |
| 14               | 98        | 0.0015                                   | 0         |
| 10               | 97        |                                          |           |
| 6.3              | 95        |                                          |           |
| 5                | 94        |                                          |           |
| 3.35             | 92        |                                          |           |
| 2                | 91        |                                          |           |
| 1.18             | 90        |                                          |           |
| 0.6              | 88        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 85        |                                          |           |
| 0.3              | 80        |                                          |           |
| 0.212            | 71        |                                          |           |
| 0.15             | 58        |                                          |           |
| 0.063            | 32        |                                          |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1060 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 9.1        |
| Sand               | 59.1       |
| Silt               | 31.8       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm 28     |
| D60                    | mm 0.16   |
| D30                    | mm 0.0569 |
| D10                    | mm 0.015  |
| Uniformity Coefficient | 11        |
| Curvature Coefficient  | 1.4       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 25/11/2025 07:42 |

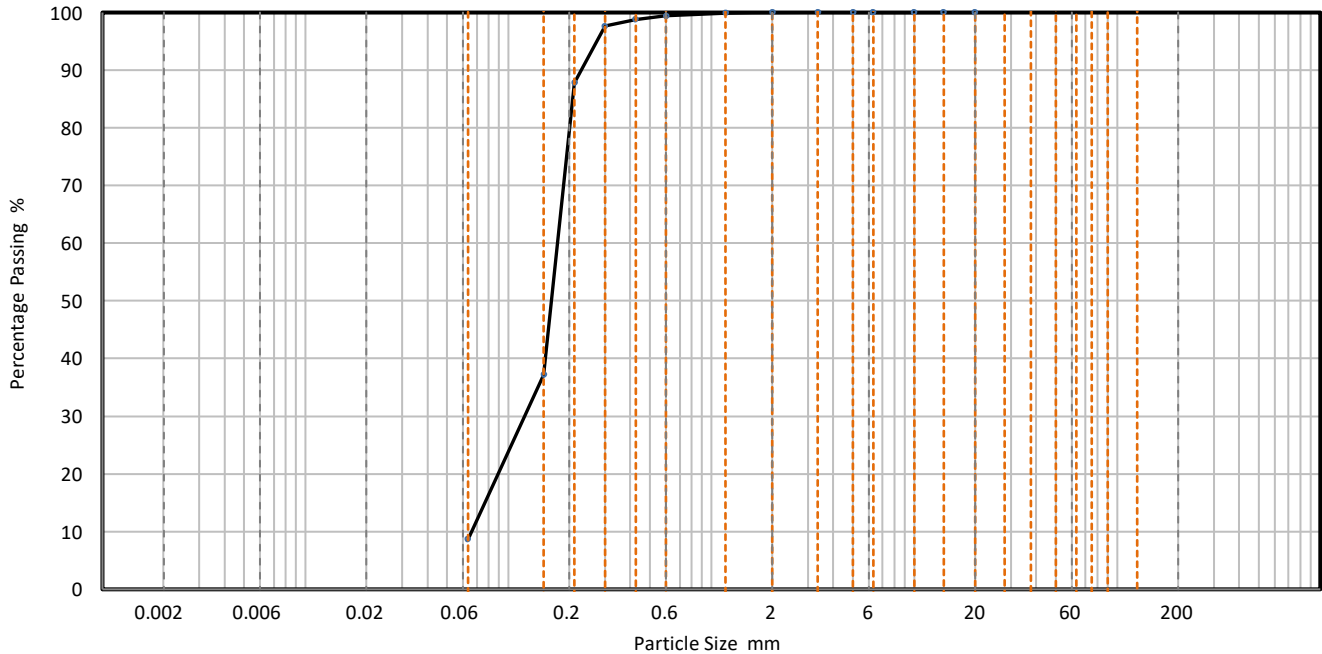
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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01642 033318  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | BH-207 | Lab sample ID    | G2MT2025091557                |
| Depth (Top) m  | -6.70  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Clayey, SAND                  |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 88        |                  |           |
| 0.15             | 37        |                  |           |
| 0.063            | 9         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 915 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 91.3       |
|                    |            |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.7 |
| Curvature Coefficient  | 1.3 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 17/09/2025 14:23 |



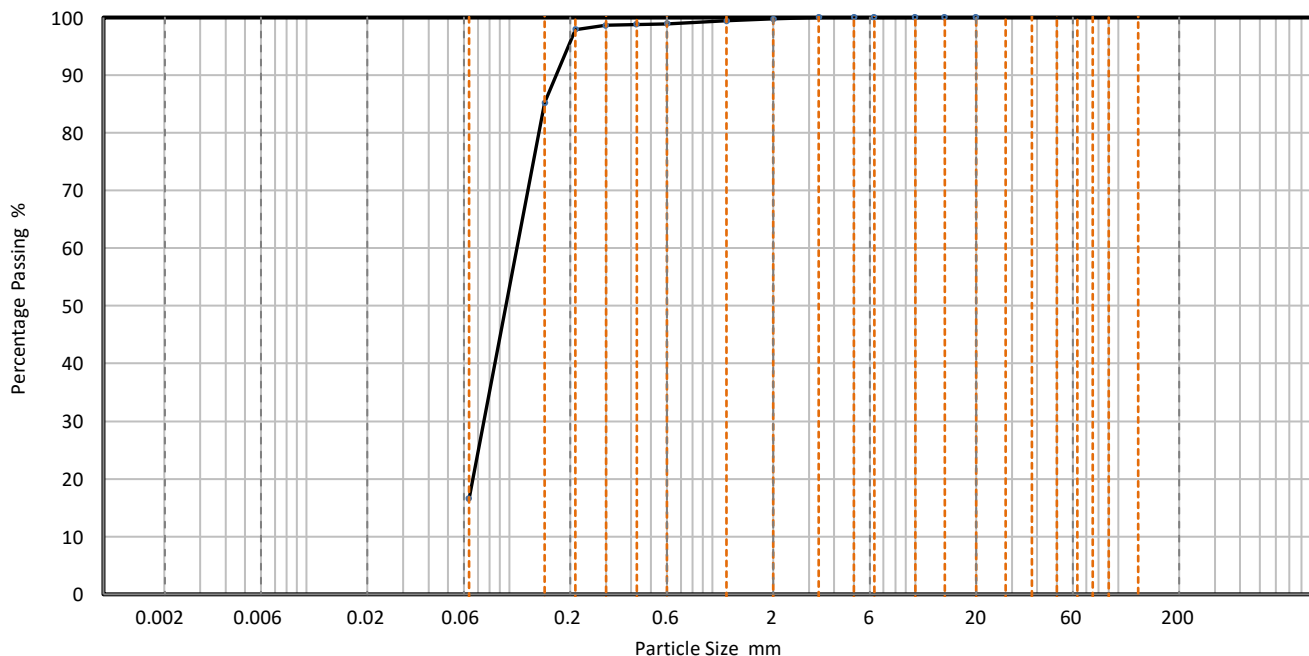
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                |
|--------------|----------|------------------|--------------------------------|
| Hole         | BH-207   | Lab sample ID    | G2MT2025091559                 |
| Depth (Top)  | m -12.70 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2  |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, Clayey SAND |
| Sample type  | B        |                  |                                |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 98        |                  |           |
| 0.15             | 85        |                  |           |
| 0.063            | 17        |                  |           |

Dry Mass of sample, g

866

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.3        |
| Sand               | 83.1       |
| Fines <0.063mm     | 17.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

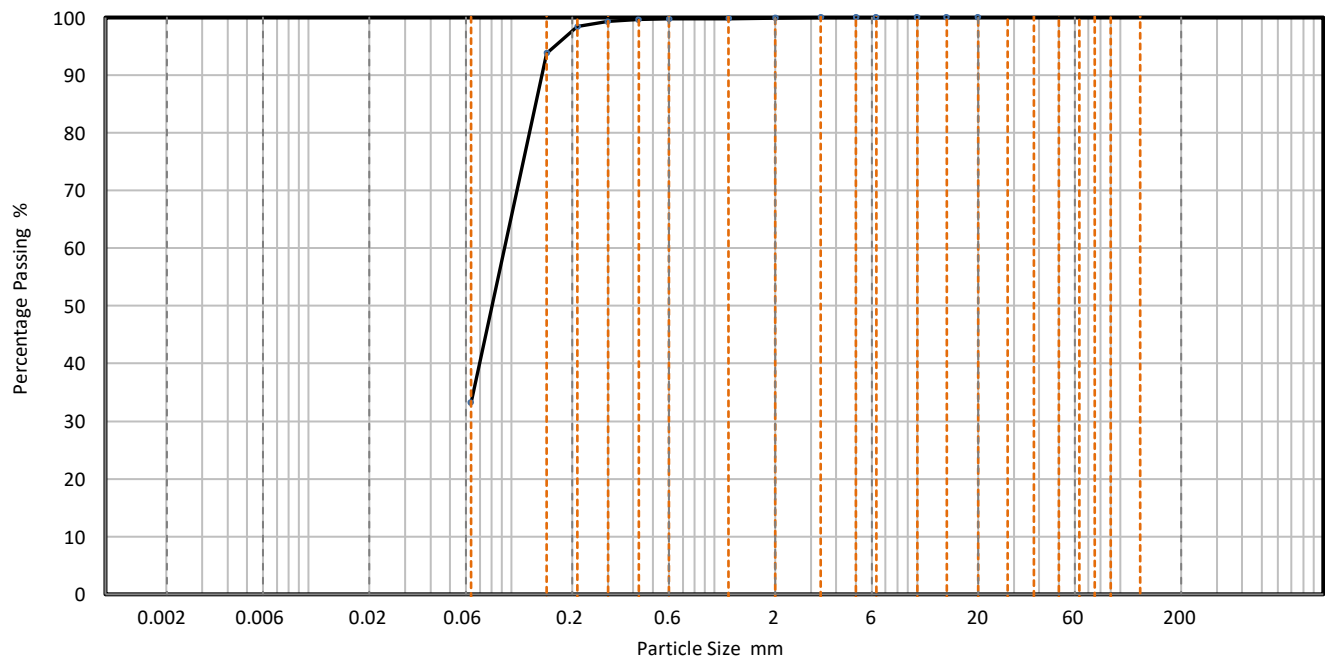
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 09:30 |



|                                   |            |                                                                                                                    |                                                                                             |
|-----------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>PARTICLE SIZE DISTRIBUTION</b> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                         | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port        | S250403    |                                                                                                                    |                                                                                             |

|              |          |                  |                                     |
|--------------|----------|------------------|-------------------------------------|
| Hole         | BH-207   | Lab sample ID    | G2MT2025091564                      |
| Depth (Top)  | m -24.70 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2       |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, Very Clayey SAND |
| Sample type  | B        |                  |                                     |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 98        |                  |           |
| 0.15             | 94        |                  |           |
| 0.063            | 33        |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 885 |
|-----------------------|-----|

|                           |            |
|---------------------------|------------|
| <b>Sample Proportions</b> | % dry mass |
| Very coarse               | 0.0        |
| Gravel                    | 0.1        |
| Sand                      | 66.7       |
| Fines <0.063mm            | 33.0       |

|                         |    |
|-------------------------|----|
| <b>Grading Analysis</b> |    |
| D100                    | mm |
| D60                     | mm |
| D30                     | mm |
| D10                     | mm |
| Uniformity Coefficient  |    |
| Curvature Coefficient   |    |

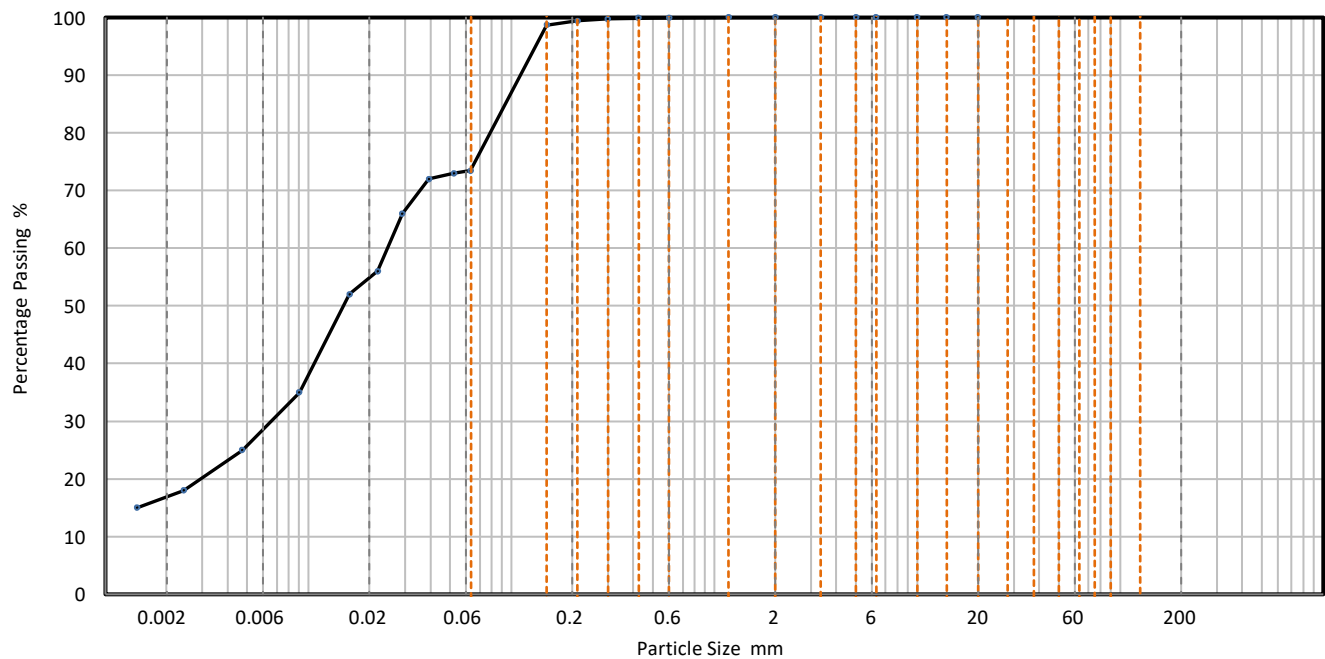
|                                                                           |
|---------------------------------------------------------------------------|
| <b>Remarks</b>                                                            |
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

**Accreditation status**  
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 19/09/2025 09:28 |

|                            |  |                                                                                                                    |                                                                                             |
|----------------------------|--|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |  | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                  |  | Job number                                                                                                         |                                                                                             |
| Marine GI - Ardersier Port |  | S250403                                                                                                            |                                                                                             |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-207   | Lab sample ID    | G2MT2025091566                         |
| Depth (Top)  | m -26.20 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Clayey, very Sandy, SILT               |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation              |           |
|------------------|-----------|----------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm           | % Passing |
|                  |           | 0.0523                     | 73        |
|                  |           | 0.0393                     | 72        |
|                  |           | 0.0291                     | 66        |
|                  |           | 0.0220                     | 56        |
|                  |           | 0.0160                     | 52        |
|                  |           | 0.0090                     | 35        |
|                  |           | 0.0047                     | 25        |
| 20               | 100       | 0.0024                     | 18        |
| 14               | 100       | 0.0014                     | 15        |
| 10               | 100       |                            |           |
| 6.3              | 100       |                            |           |
| 5                | 100       |                            |           |
| 3.35             | 100       |                            |           |
| 2                | 100       |                            |           |
| 1.18             | 100       |                            |           |
| 0.6              | 100       | Particle density (assumed) |           |
| 0.425            | 100       | 2.65                       | Mg/m3     |
| 0.3              | 100       |                            |           |
| 0.212            | 99        |                            |           |
| 0.15             | 99        |                            |           |
| 0.063            | 73        |                            |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 801 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 26.6       |
| Silt               | 56.3       |
| Clay               | 17.1       |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0246  |
| D30                    | mm 0.00657 |
| D10                    | mm         |
| Uniformity Coefficient |            |
| Curvature Coefficient  |            |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

**Accreditation status**  
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 10:28 |

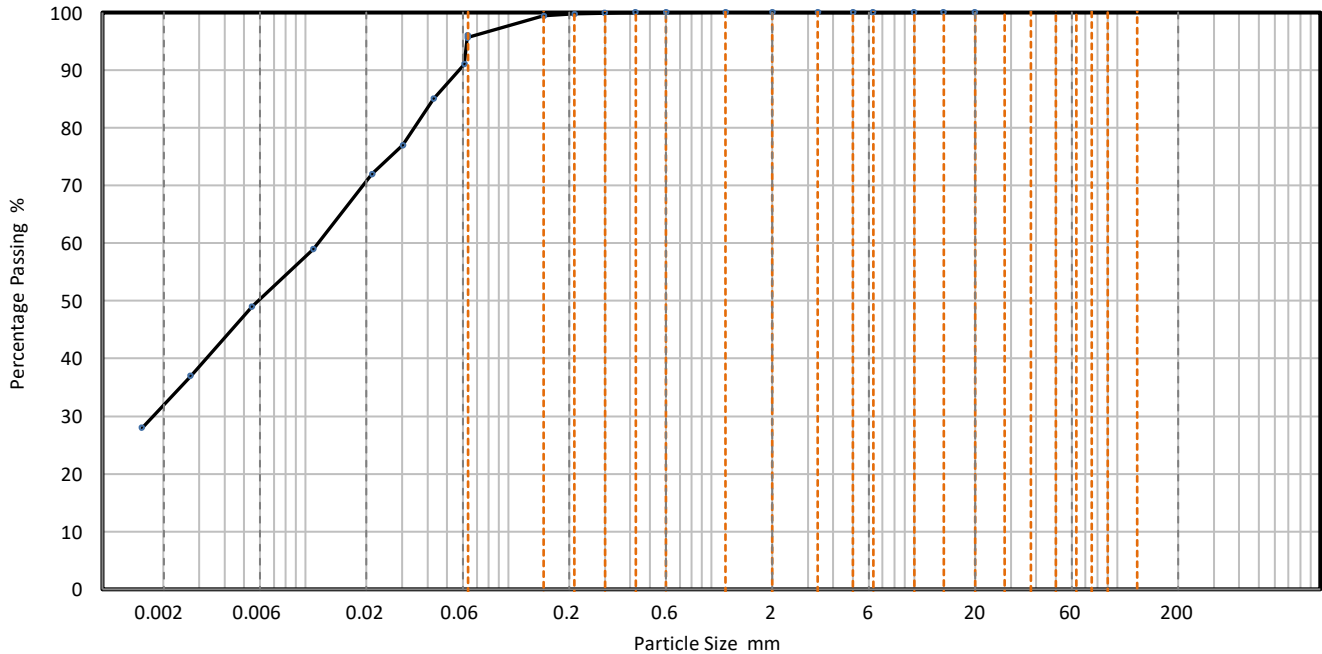
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | BH-207   | Lab sample ID    | G2MT2025091570                         |
| Depth (Top)  | m -28.24 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, very Clayey, SILT   |
| Sample type  | U        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 96        |
|                  |           | 0.0607                                   | 91        |
|                  |           | 0.0429                                   | 85        |
|                  |           | 0.0302                                   | 77        |
|                  |           | 0.0213                                   | 72        |
|                  |           | 0.0110                                   | 59        |
|                  |           | 0.0055                                   | 49        |
| 20               | 100       | 0.0027                                   | 37        |
| 14               | 100       | 0.0016                                   | 28        |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 100       |                                          |           |
| 0.212            | 100       |                                          |           |
| 0.15             | 99        |                                          |           |
| 0.063            | 96        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 824 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 4.4        |
| Silt               | 63.5       |
| Clay               | 32.1       |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0113  |
| D30                    | mm 0.00175 |
| D10                    | mm         |
| Uniformity Coefficient |            |
| Curvature Coefficient  |            |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 01/10/2025 14:43 |

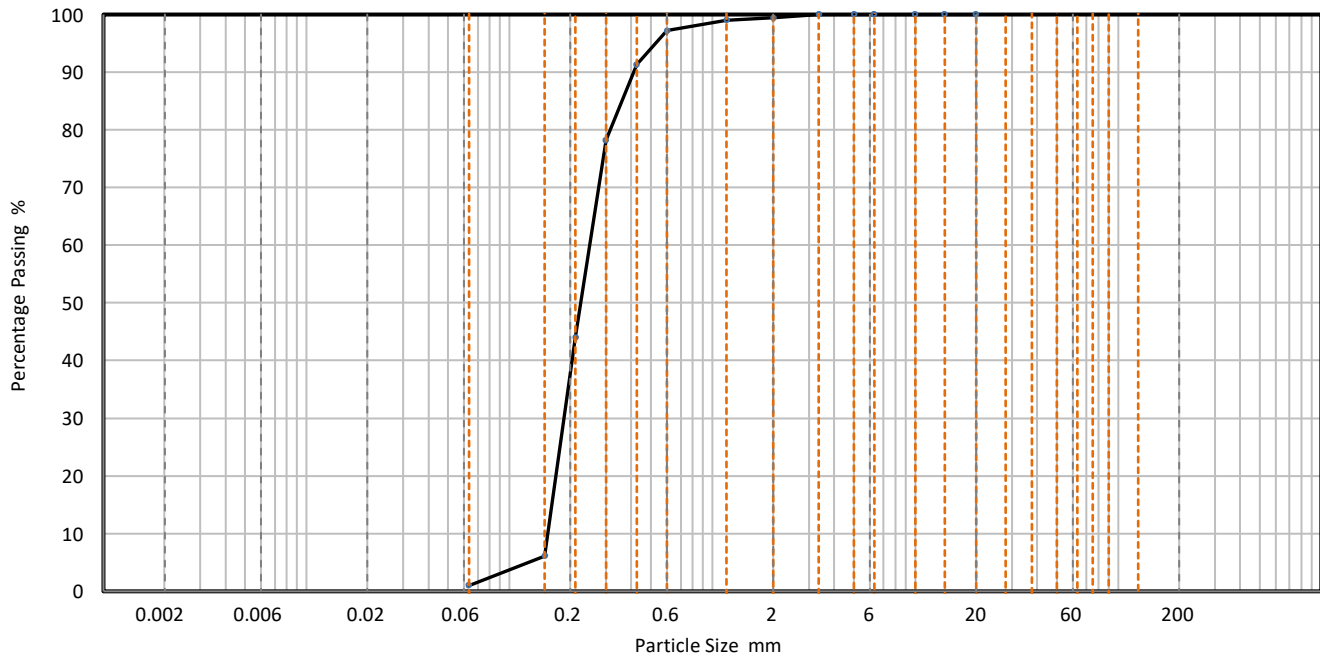
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                              |
|--------------|---------|------------------|----------------------------------------------|
| Hole         | CP-101  | Lab sample ID    | G2MT2025100215                               |
| Depth (Top)  | m -0.90 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m       | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B       |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 91        |                  |           |
| 0.3              | 78        |                  |           |
| 0.212            | 44        |                  |           |
| 0.15             | 6         |                  |           |
| 0.063            | 1         |                  |           |

Dry Mass of sample, g

848

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.6        |
| Sand               | 98.3       |
|                    |            |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |          |
|------------------------|----------|
| D100                   | mm       |
| D60                    | mm 0.249 |
| D30                    | mm 0.187 |
| D10                    | mm 0.155 |
| Uniformity Coefficient | 1.6      |
| Curvature Coefficient  | 0.9      |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 10/10/2025 07:33 |

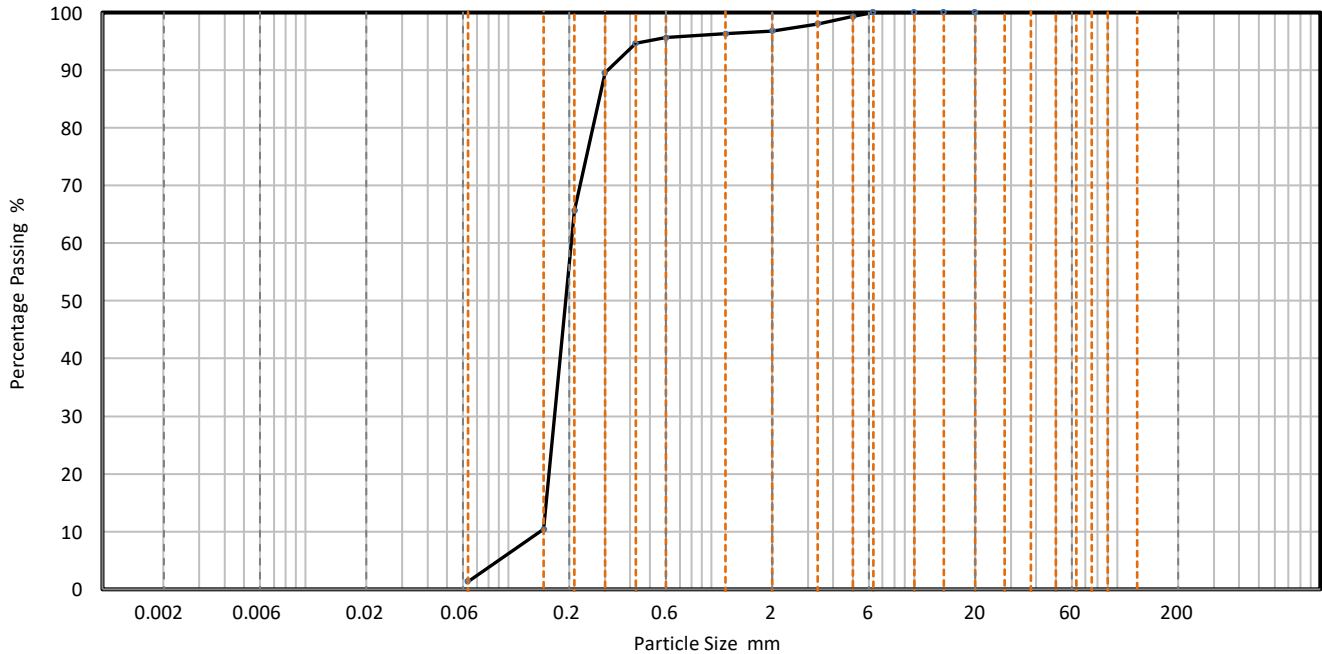
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |        |                  |                                         |
|--------------|--------|------------------|-----------------------------------------|
| Hole         | CP-101 | Lab sample ID    | G2MT2025100213                          |
| Depth (Top)  | m 2.10 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m      | Soil Description | Slightly Silty, slightly Gravelly, SAND |
| Sample type  | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 99        |                  |           |
| 3.35             | 98        |                  |           |
| 2                | 97        |                  |           |
| 1.18             | 96        |                  |           |
| 0.6              | 96        |                  |           |
| 0.425            | 95        |                  |           |
| 0.3              | 90        |                  |           |
| 0.212            | 66        |                  |           |
| 0.15             | 10        |                  |           |
| 0.063            | 1         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 879 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 3.2        |
| Sand               | 95.4       |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |          |
|------------------------|----------|
| D100                   | mm 100   |
| D60                    | mm 0.205 |
| D30                    | mm 0.17  |
| D10                    | mm 0.144 |
| Uniformity Coefficient | 1.4      |
| Curvature Coefficient  | 0.97     |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

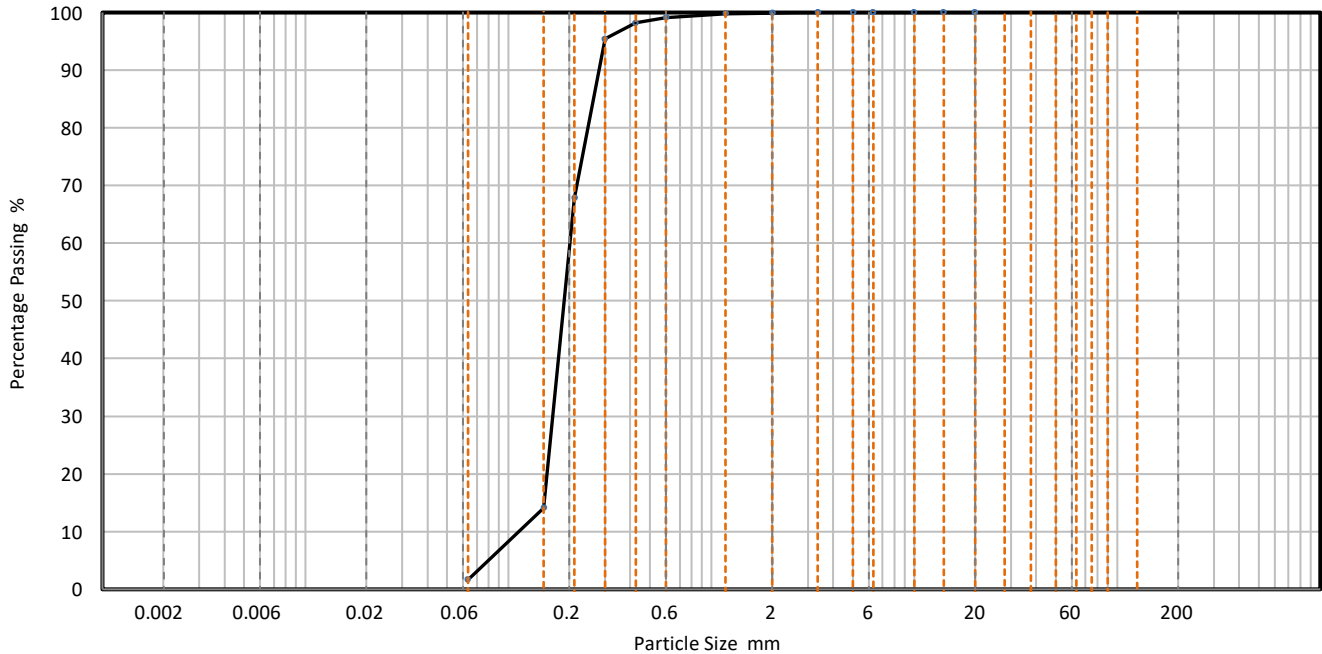
|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 13/10/2025 10:36 |





|                            |            |                                                                                                                    |                                                                                             |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                             |

|              |   |        |                  |                                              |
|--------------|---|--------|------------------|----------------------------------------------|
| Hole         |   | CP-101 | Lab sample ID    | G2MT2025100217                               |
| Depth (Top)  | m | -5.40  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 95        |                  |           |
| 0.212            | 68        |                  |           |
| 0.15             | 14        |                  |           |
| 0.063            | 2         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1113 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 98.3       |
|                    |            |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 0.202 |
| D30                    | mm | 0.166 |
| D10                    | mm | 0.112 |
| Uniformity Coefficient |    | 1.8   |
| Curvature Coefficient  |    | 1.2   |

[illegible]

### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 10/10/2025 07:35 |

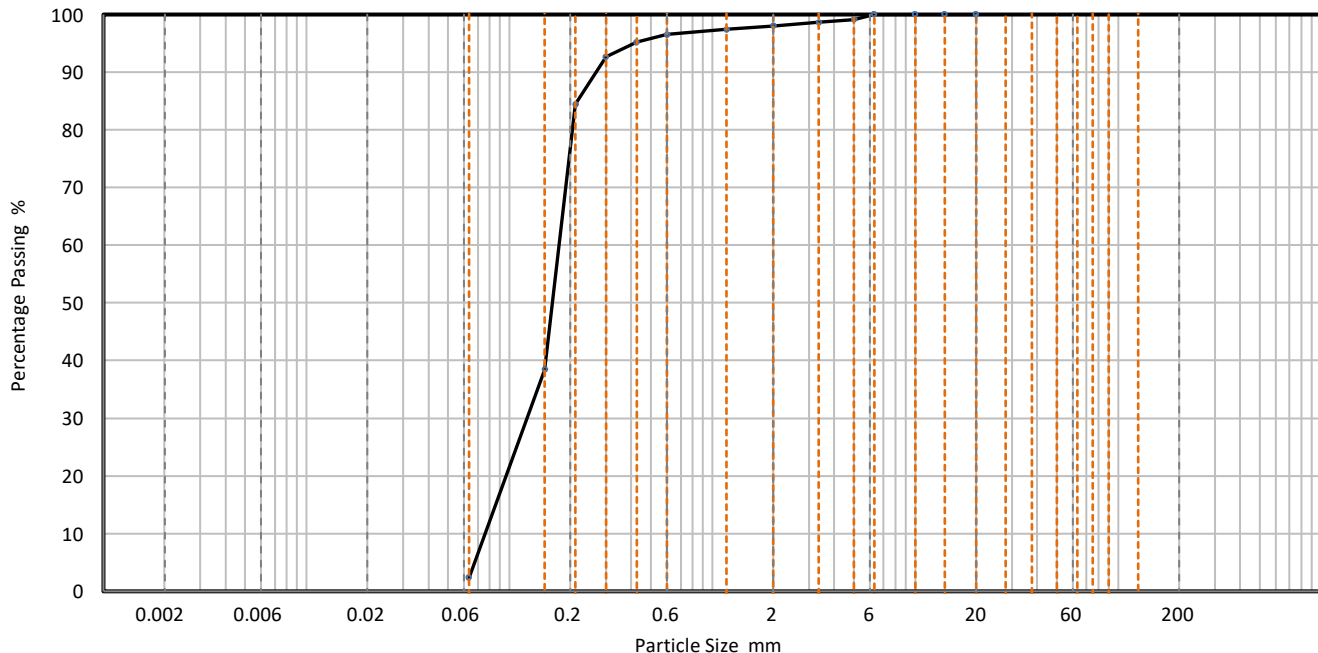
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                         |
|--------------|---------|------------------|-----------------------------------------|
| Hole         | CP-101  | Lab sample ID    | G2MT2025100220                          |
| Depth (Top)  | m -9.90 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m       | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  | B       |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 99        |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 98        |                  |           |
| 1.18             | 97        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 95        |                  |           |
| 0.3              | 93        |                  |           |
| 0.212            | 84        |                  |           |
| 0.15             | 38        |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

836

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 2.0        |
| Sand               | 95.6       |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm 100    |
| D60                    | mm 0.176  |
| D30                    | mm 0.123  |
| D10                    | mm 0.0757 |
| Uniformity Coefficient | 2.3       |
| Curvature Coefficient  | 1.1       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 10/10/2025 07:37 |

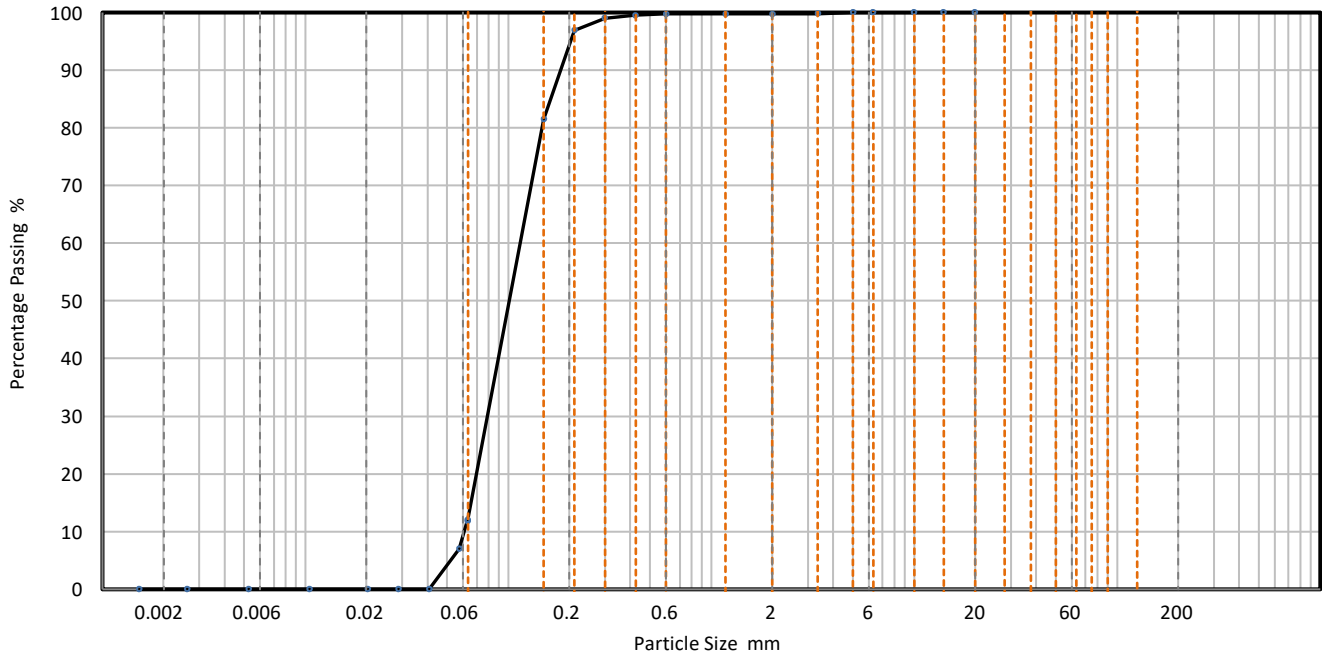
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | CP-101   | Lab sample ID    | G2MT2025100223                         |
| Depth (Top)  | m -17.40 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, Silty, SAND    |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 12        |
|                  |           | 0.0573                                   | 7         |
|                  |           | 0.0408                                   | 0         |
|                  |           | 0.0288                                   | 0         |
|                  |           | 0.0204                                   | 0         |
|                  |           | 0.0105                                   | 0         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 97        |                                          |           |
| 0.15             | 82        |                                          |           |
| 0.063            | 12        |                                          |           |

Dry Mass of sample, g

832

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.3        |
| Sand               | 88.0       |
| Silt               | 11.7       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.115  |
| D30                    | mm 0.079  |
| D10                    | mm 0.0606 |
| Uniformity Coefficient | 1.9       |
| Curvature Coefficient  | 0.9       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

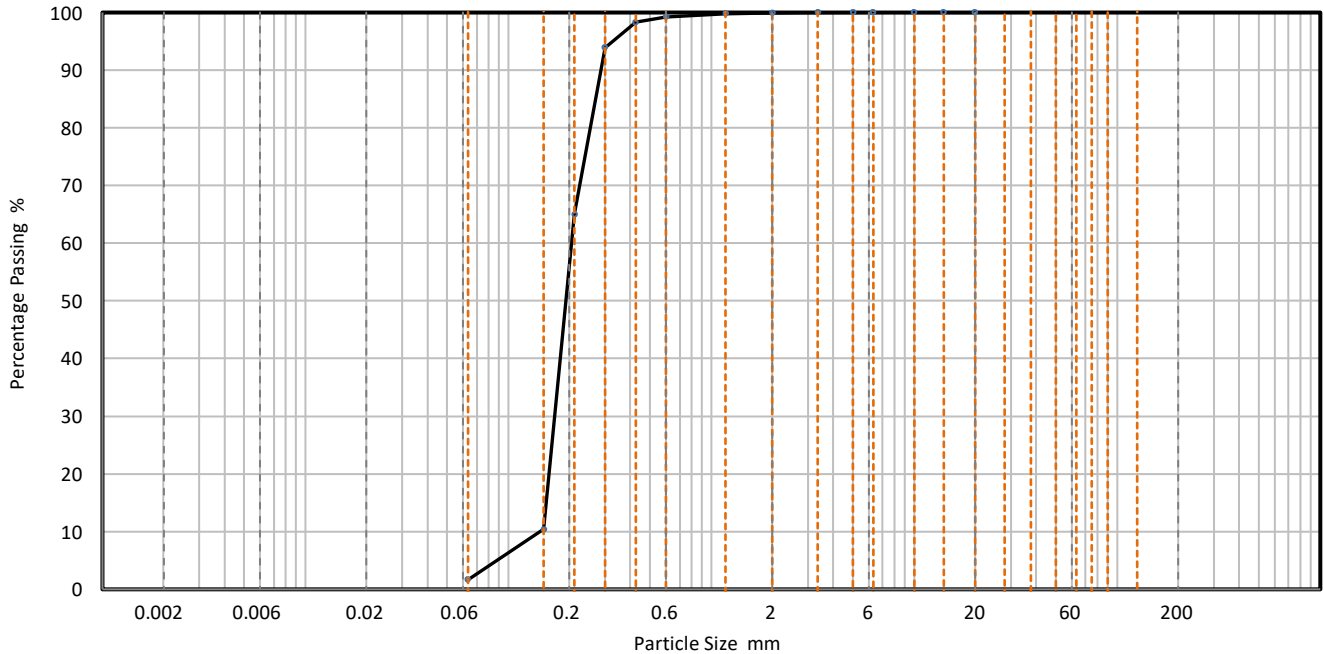
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 03/11/2025 13:01 |

|                            |            |                                                                                                                    |                                                                                                                |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>UKAS<br>TESTING<br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                                                |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                                                |

|              |   |        |                  |                                              |
|--------------|---|--------|------------------|----------------------------------------------|
| Hole         |   | CP-102 | Lab sample ID    | G2MT2025100227                               |
| Depth (Top)  | m | 1.40   | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 98        |                  |           |
| 0.3              | 94        |                  |           |
| 0.212            | 65        |                  |           |
| 0.15             | 10        |                  |           |
| 0.063            | 2         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 878 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 98.3       |
|                    |            |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 0.205 |
| D30                    | mm | 0.17  |
| D10                    | mm | 0.145 |
| Uniformity Coefficient |    | 1.4   |
| Curvature Coefficient  |    | 0.97  |

[illegible]

### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 10/10/2025 07:44 |



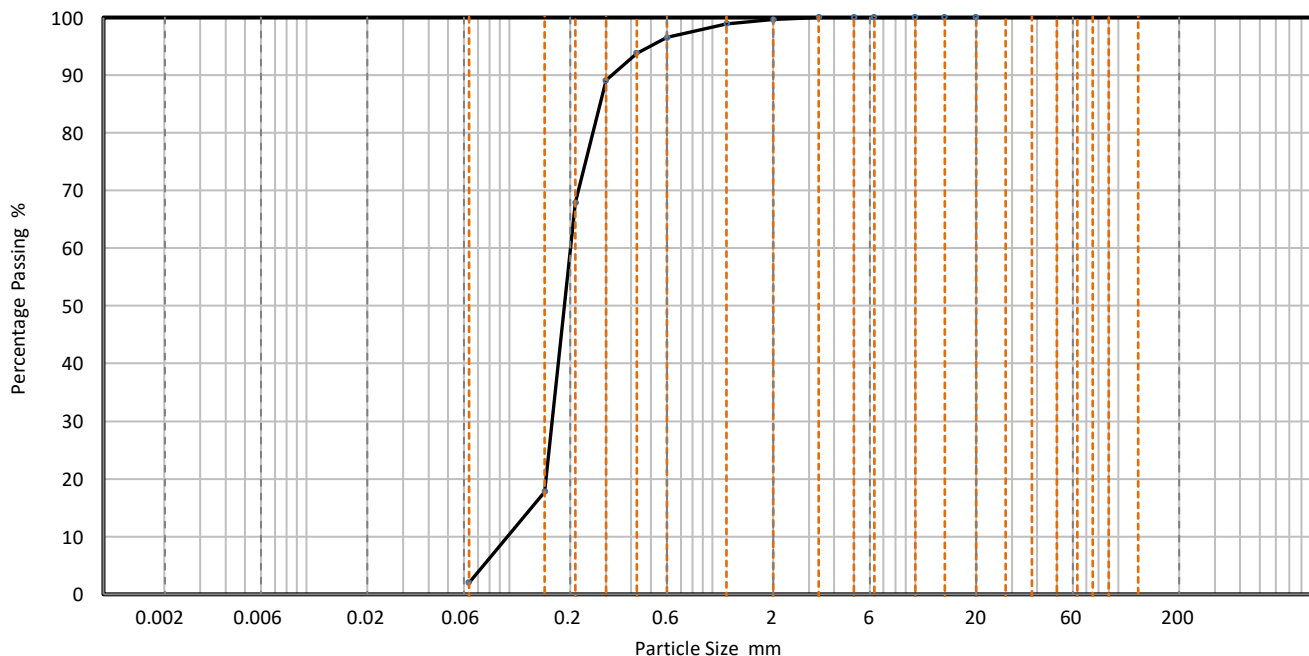
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-102 | Lab sample ID    | G2MT2025100226                               |
| Depth (Top) m  | -2.90  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 94        |                  |           |
| 0.3              | 89        |                  |           |
| 0.212            | 68        |                  |           |
| 0.15             | 18        |                  |           |
| 0.063            | 2         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 824 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.4        |
| Sand               | 97.6       |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.1 |
| Curvature Coefficient  | 1.4 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 10/10/2025 07:42 |



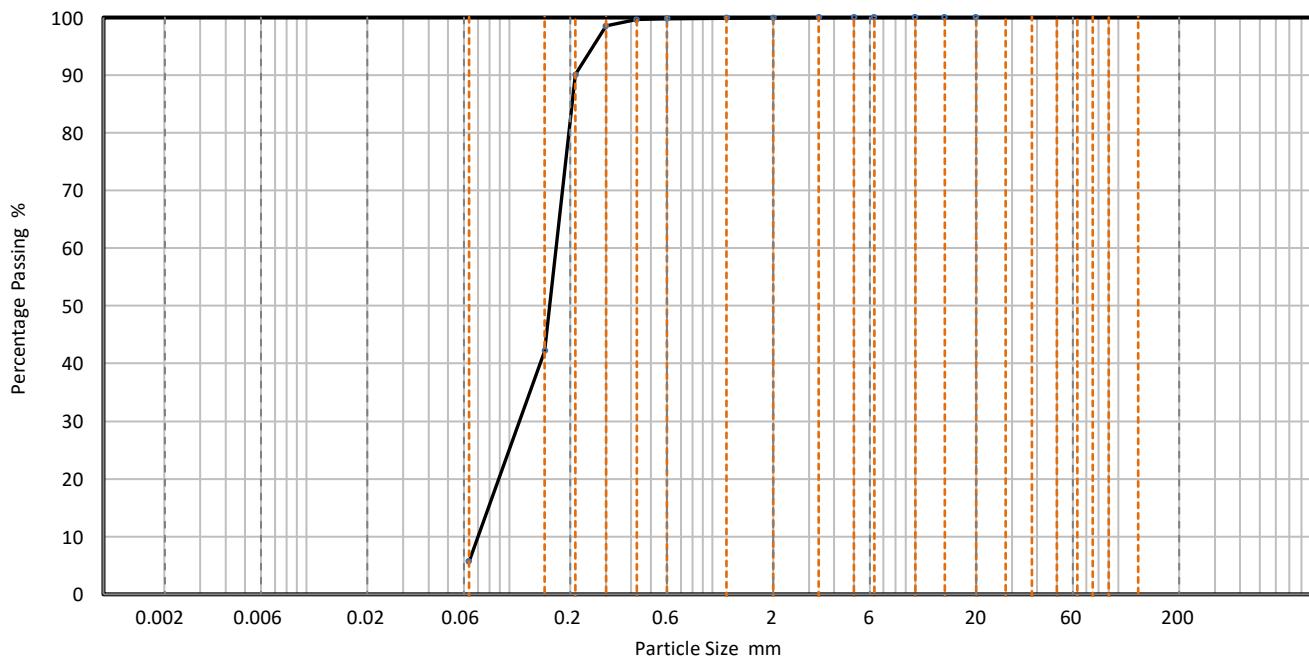
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                              |
|--------------|----------|------------------|----------------------------------------------|
| Hole         | CP-102   | Lab sample ID    | G2MT2025100231                               |
| Depth (Top)  | m -13.60 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B        |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 90        |                  |           |
| 0.15             | 42        |                  |           |
| 0.063            | 6         |                  |           |

Dry Mass of sample, g 870

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 94.3       |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.171  |
| D30                    | mm 0.112  |
| D10                    | mm 0.0698 |
| Uniformity Coefficient | 2.4       |
| Curvature Coefficient  | 1.1       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

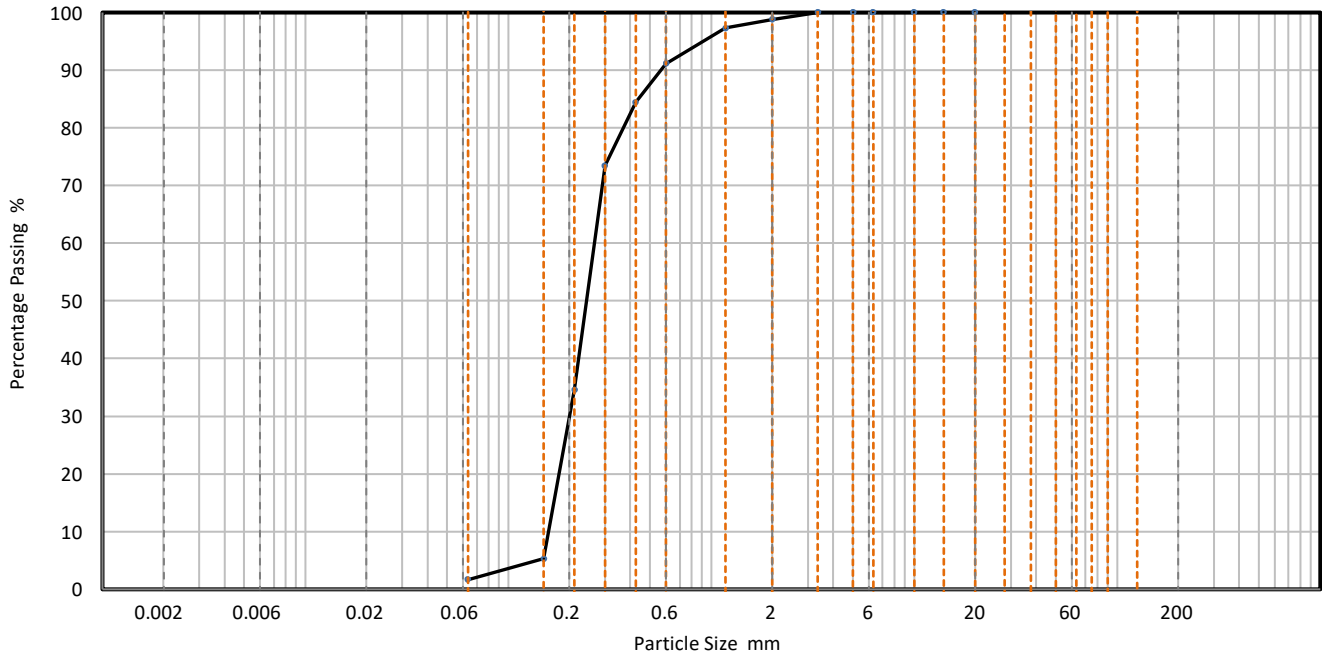
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 10/10/2025 07:49 |



|                            |            |                                                                                                                    |                                                                                             |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                  | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                             |

|              |   |        |                  |                                         |
|--------------|---|--------|------------------|-----------------------------------------|
| Hole         |   | CP-103 | Lab sample ID    | G2MT2025110510                          |
| Depth (Top)  | m | -0.30  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m |        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 97        |                  |           |
| 0.6              | 91        |                  |           |
| 0.425            | 84        |                  |           |
| 0.3              | 73        |                  |           |
| 0.212            | 35        |                  |           |
| 0.15             | 5         |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

911

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 1.2        |
| Sand               | 97.1       |
|                    |            |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 0.266 |
| D30                    | mm | 0.201 |
| D10                    | mm | 0.158 |
| Uniformity Coefficient |    | 1.7   |
| Curvature Coefficient  |    | 0.96  |

| Remarks |
|---------|
|---------|

Preparation and testing in accordance with test method unless noted below

### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:05 |

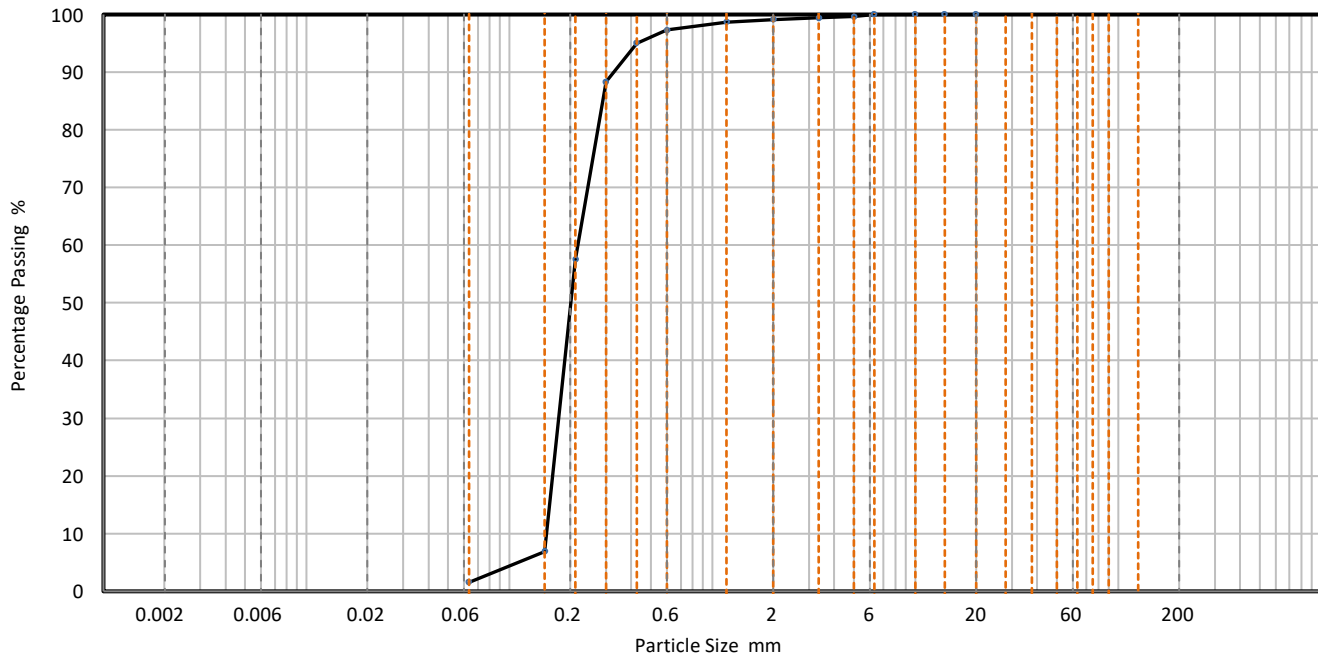
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-103 | Lab sample ID    | G2MT202511058                                |
| Depth (Top) m  | 2.70   | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 95        |                  |           |
| 0.3              | 88        |                  |           |
| 0.212            | 58        |                  |           |
| 0.15             | 7         |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

904

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.9        |
| Sand               | 97.5       |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 1.4  |
| Curvature Coefficient  | 0.92 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

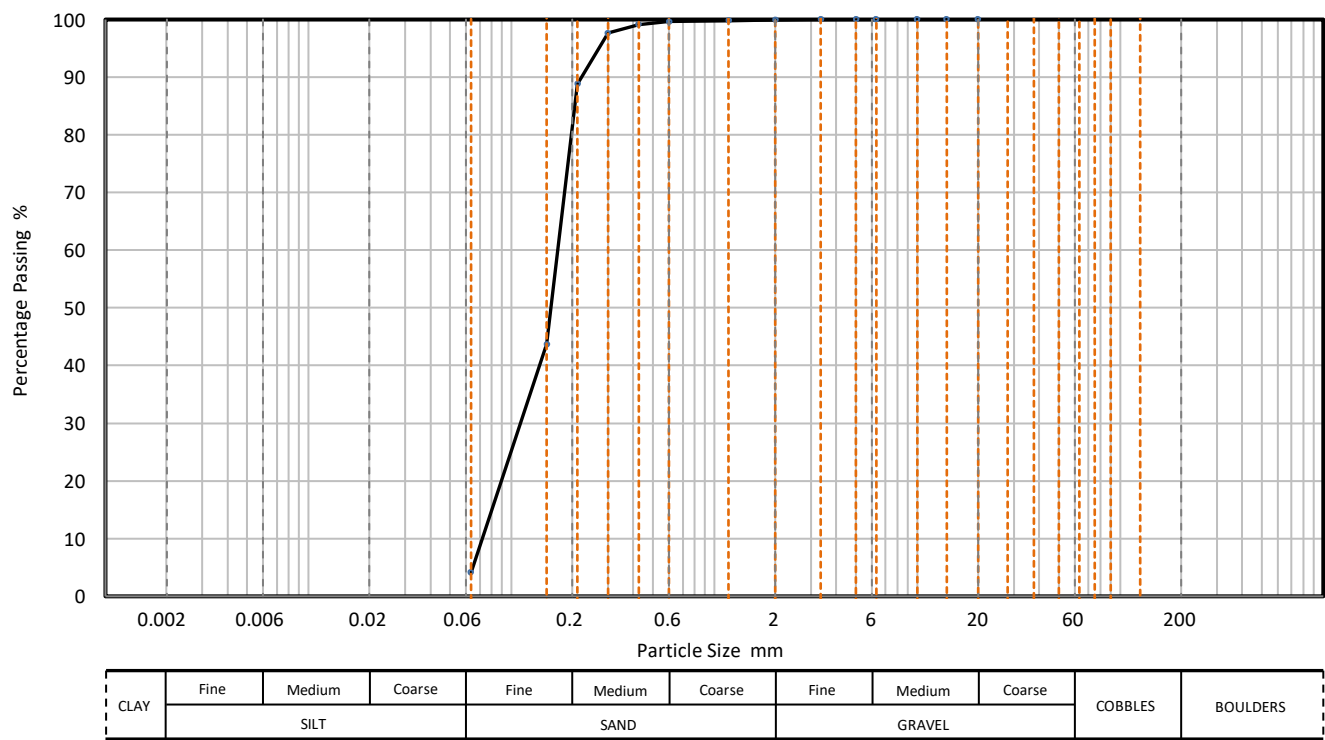
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:57 |

|                                                        |            |                                                                                                                    |           |
|--------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|-----------|
| <h1 style="margin: 0;">PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                                              | Job number |                                                                                                                    |           |
| Marine GI - Ardersier Port                             | S250403    |                                                                                                                    |           |

|              |   |        |                  |                                              |
|--------------|---|--------|------------------|----------------------------------------------|
| Hole         |   | CP-103 | Lab sample ID    | G2MT2025110514                               |
| Depth (Top)  | m | -9.30  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                              |



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 89        |                  |           |
| 0.15             | 44        |                  |           |
| 0.063            | 4         |                  |           |

Dry Mass of sample, g

807

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.1        |
| Sand               | 95.7       |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

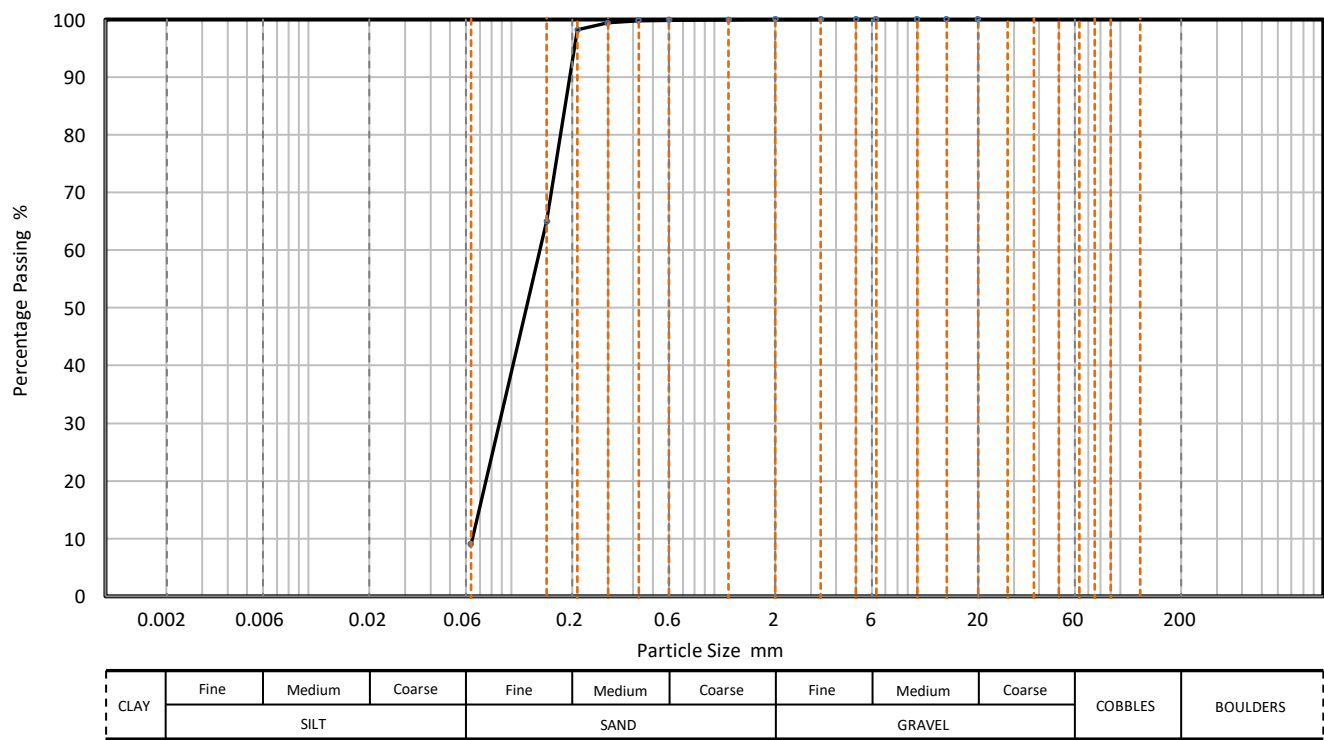
**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**  
 Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:20 |

|                                     |            |                                                                                                                    |                                                                                              |
|-------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <h1>PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                           | Job number |                                                                                                                    |                                                                                              |
| Marine GI - Ardersier Port          | S250403    |                                                                                                                    |                                                                                              |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | CP-103 | Lab sample ID    | G2MT2025110515                |
| Depth (Top) m  | -13.80 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 100       |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 98        |                  |           |
| 0.15             | 65        |                  |           |
| 0.063            | 9         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 852 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 91.0       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |        |
|------------------------|--------|
| D100 mm                |        |
| D60 mm                 | 0.139  |
| D30 mm                 | 0.0872 |
| D10 mm                 | 0.064  |
| Uniformity Coefficient | 2.2    |
| Curvature Coefficient  | 0.86   |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

**Accreditation status**

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:07 |

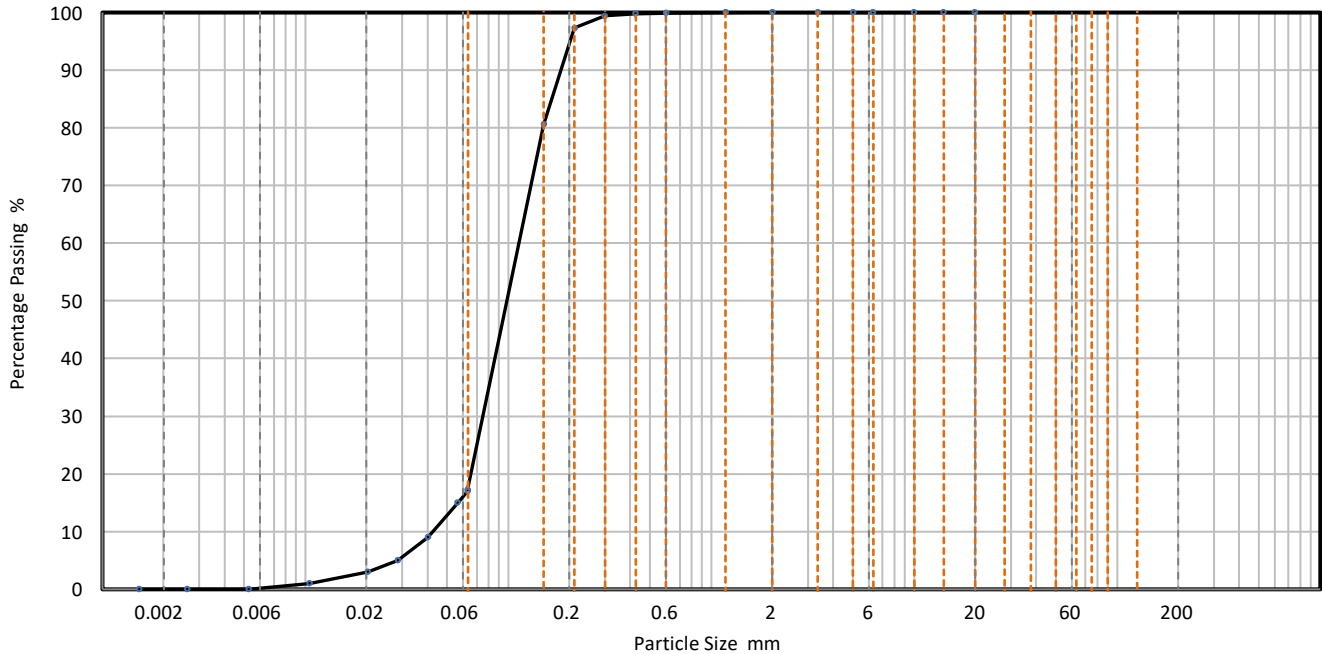
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | CP-103   | Lab sample ID    | G2MT2025110516                         |
| Depth (Top)  | m -16.80 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Silty SAND                             |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 17        |
|                  |           | 0.0563                                   | 15        |
|                  |           | 0.0402                                   | 9         |
|                  |           | 0.0286                                   | 5         |
|                  |           | 0.0203                                   | 3         |
|                  |           | 0.0105                                   | 1         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 100       | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 100       |                                          |           |
| 0.3              | 99        |                                          |           |
| 0.212            | 97        |                                          |           |
| 0.15             | 81        |                                          |           |
| 0.063            | 17        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 872 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 82.8       |
| Silt               | 17.2       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.113  |
| D30                    | mm 0.075  |
| D10                    | mm 0.0418 |
| Uniformity Coefficient | 2.7       |
| Curvature Coefficient  | 1.2       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 03/12/2025 09:38 |

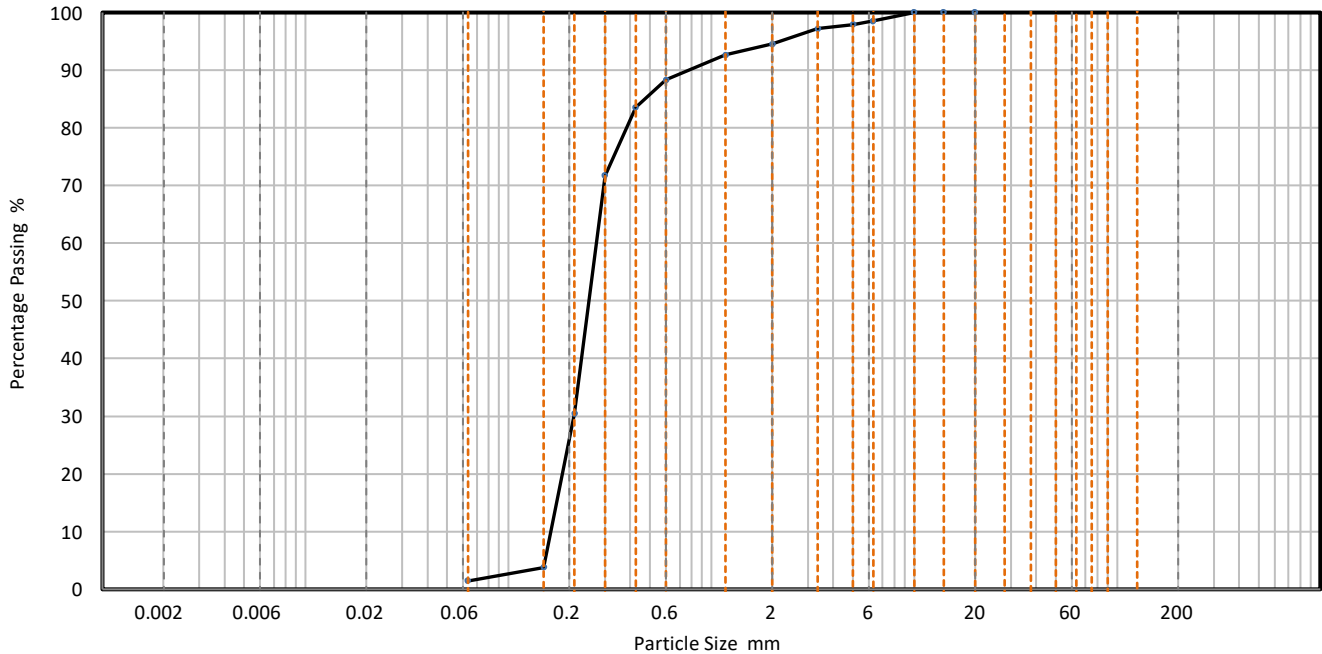
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
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Stockton on Tees  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |         |                  |                                         |
|--------------|---------|------------------|-----------------------------------------|
| Hole         | CP-104  | Lab sample ID    | G2MT2025110522                          |
| Depth (Top)  | m -0.50 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m       | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  | B       |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 99        |                  |           |
| 5                | 98        |                  |           |
| 3.35             | 97        |                  |           |
| 2                | 95        |                  |           |
| 1.18             | 93        |                  |           |
| 0.6              | 88        |                  |           |
| 0.425            | 84        |                  |           |
| 0.3              | 72        |                  |           |
| 0.212            | 30        |                  |           |
| 0.15             | 4         |                  |           |
| 0.063            | 2         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1153 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 5.5        |
| Sand               | 93.0       |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |          |
|------------------------|----------|
| D100                   | mm 100   |
| D60                    | mm 0.272 |
| D30                    | mm 0.211 |
| D10                    | mm 0.163 |
| Uniformity Coefficient | 1.7      |
| Curvature Coefficient  | 1        |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:34 |

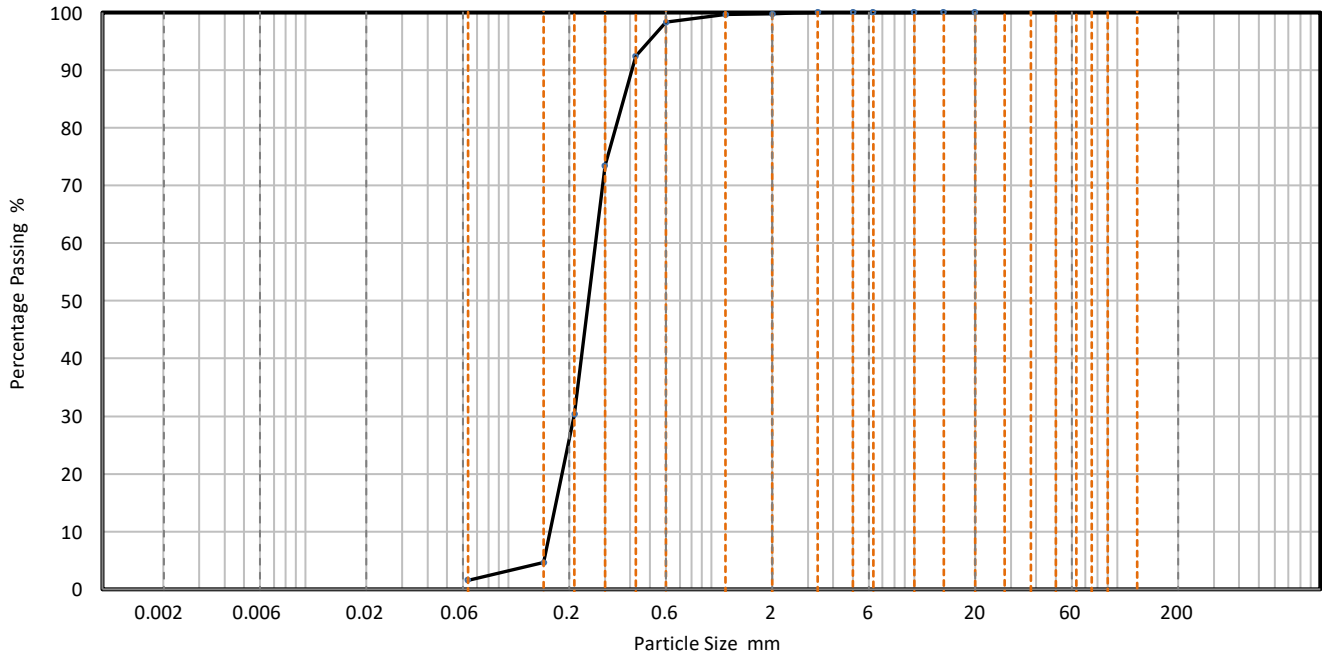
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-104 | Lab sample ID    | G2MT2025110520                               |
| Depth (Top) m  | 2.50   | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 98        |                  |           |
| 0.425            | 92        |                  |           |
| 0.3              | 73        |                  |           |
| 0.212            | 30        |                  |           |
| 0.15             | 5         |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

517

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.3        |
| Sand               | 98.1       |
|                    |            |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 1.7 |
| Curvature Coefficient  | 1   |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 13:35 |

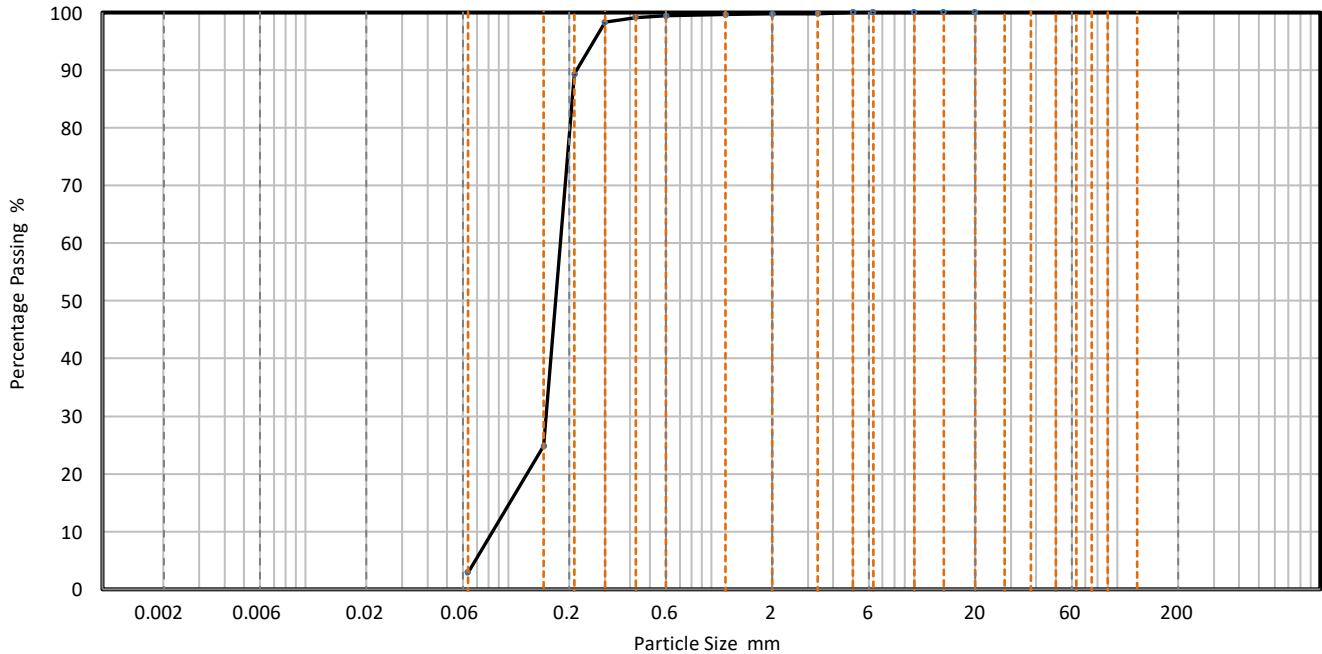
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-104 | Lab sample ID    | G2MT2025110524                               |
| Depth (Top) m  | -8.00  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 89        |                  |           |
| 0.15             | 25        |                  |           |
| 0.063            | 3         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 690 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.3        |
| Sand               | 96.8       |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.2 |
| Curvature Coefficient  | 1.6 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

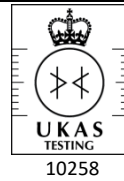
Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 13:38 |



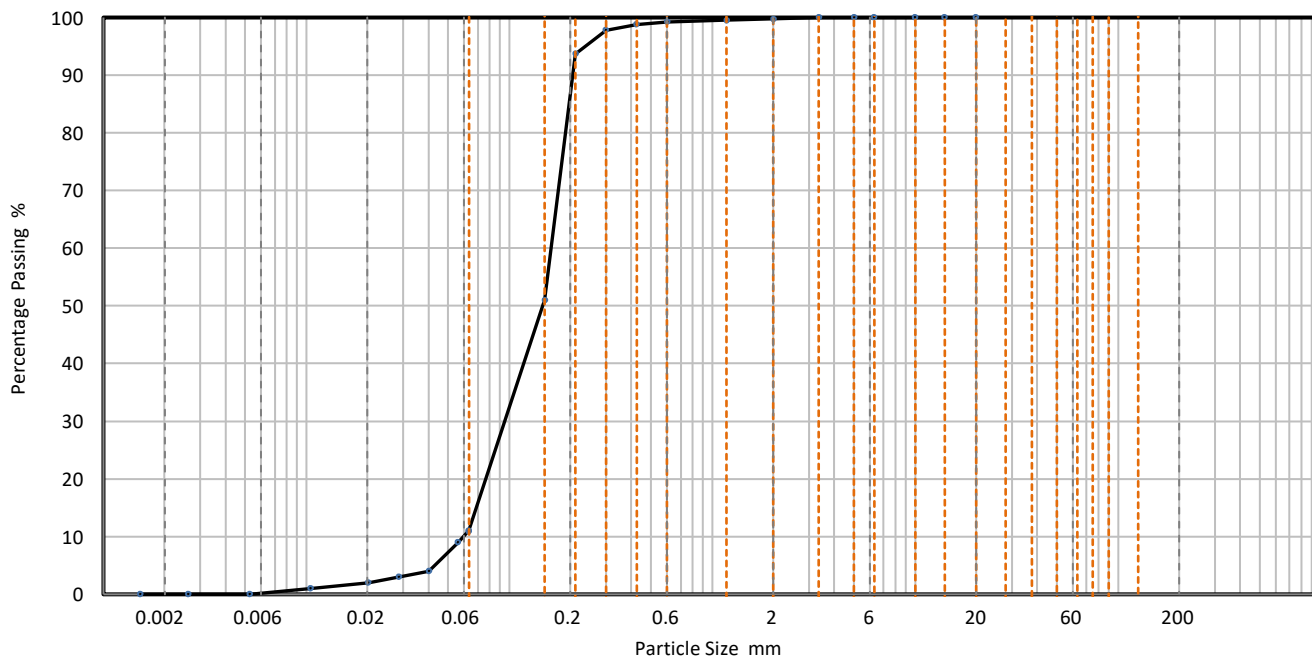
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | CP-104   | Lab sample ID    | G2MT2025110525                         |
| Depth (Top)  | m -11.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Gravelly, Silty SAND          |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
|                  |           | 0.0630                                   | 11        |
|                  |           | 0.0559                                   | 9         |
|                  |           | 0.0402                                   | 4         |
|                  |           | 0.0286                                   | 3         |
|                  |           | 0.0202                                   | 2         |
|                  |           | 0.0105                                   | 1         |
|                  |           | 0.0053                                   | 0         |
| 20               | 100       | 0.0026                                   | 0         |
| 14               | 100       | 0.0015                                   | 0         |
| 10               | 100       |                                          |           |
| 6.3              | 100       |                                          |           |
| 5                | 100       |                                          |           |
| 3.35             | 100       |                                          |           |
| 2                | 100       |                                          |           |
| 1.18             | 100       |                                          |           |
| 0.6              | 99        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 99        |                                          |           |
| 0.3              | 98        |                                          |           |
| 0.212            | 94        |                                          |           |
| 0.15             | 51        |                                          |           |
| 0.063            | 11        |                                          |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 708 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.3        |
| Sand               | 88.9       |
| Silt               | 10.8       |
| Clay               | 0.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.161  |
| D30                    | mm 0.0952 |
| D10                    | mm 0.0593 |
| Uniformity Coefficient | 2.7       |
| Curvature Coefficient  | 0.95      |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 03/12/2025 09:52 |

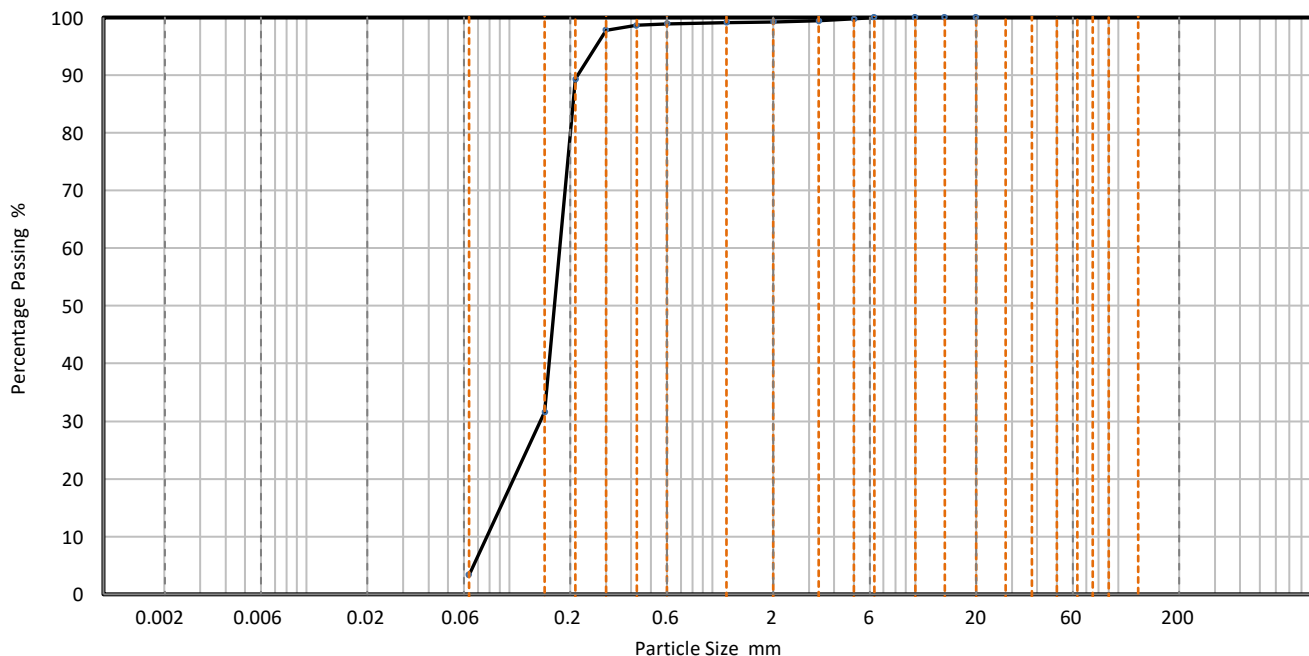
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|              |          |                  |                                              |
|--------------|----------|------------------|----------------------------------------------|
| Hole         | CP-104   | Lab sample ID    | G2MT2025110526                               |
| Depth (Top)  | m -15.30 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) | m        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type  | B        |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 98        |                  |           |
| 0.212            | 89        |                  |           |
| 0.15             | 32        |                  |           |
| 0.063            | 3         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 852 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.8        |
| Sand               | 95.8       |
|                    |            |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |           |
|------------------------|-----------|
| D100                   | mm        |
| D60                    | mm 0.178  |
| D30                    | mm 0.143  |
| D10                    | mm 0.0772 |
| Uniformity Coefficient | 2.3       |
| Curvature Coefficient  | 1.5       |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:37 |

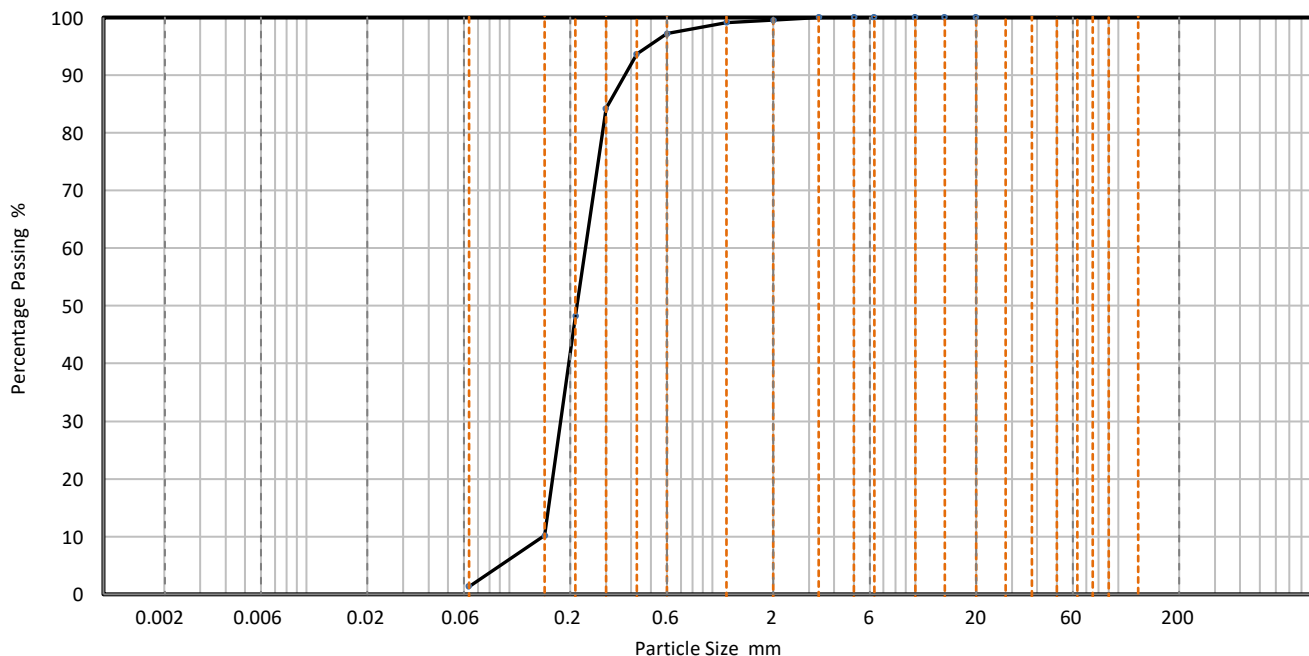
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-201 | Lab sample ID    | G2MT2025110542                               |
| Depth (Top) m  | -1.00  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 94        |                  |           |
| 0.3              | 84        |                  |           |
| 0.212            | 48        |                  |           |
| 0.15             | 10        |                  |           |
| 0.063            | 1         |                  |           |

Dry Mass of sample, g 985

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.5        |
| Sand               | 98.1       |
|                    |            |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:49 |

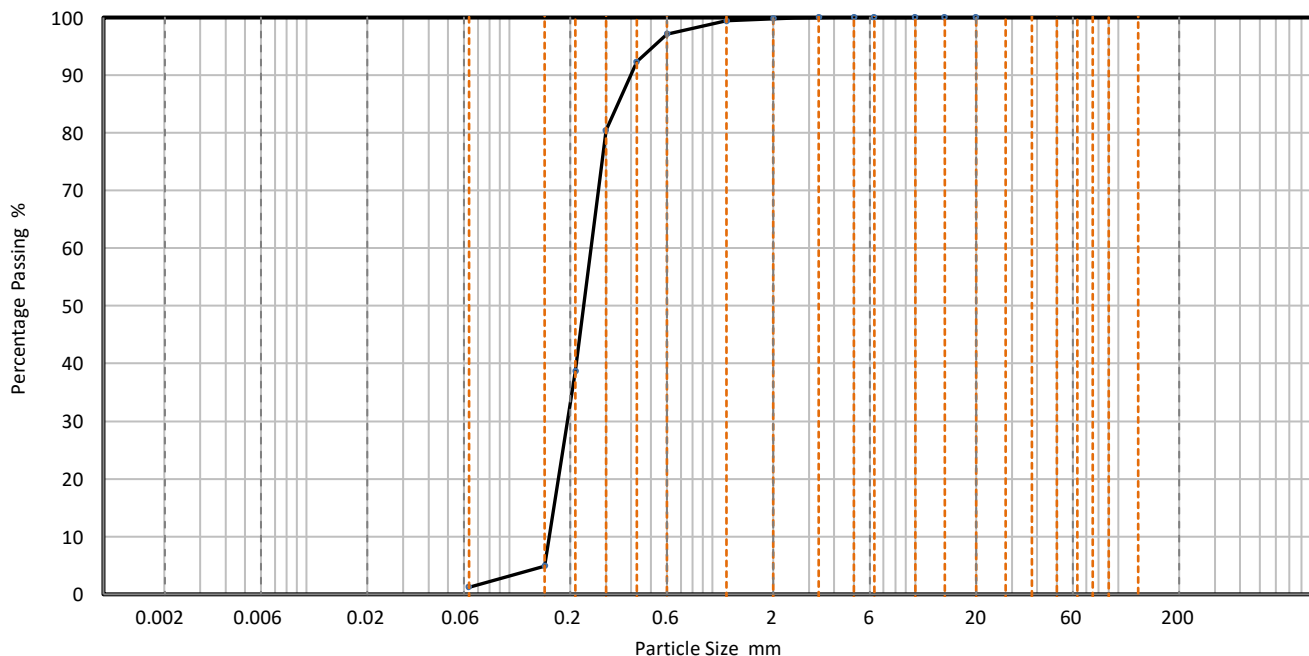
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-201 | Lab sample ID    | G2MT2025110540                               |
| Depth (Top) m  | 2.00   | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 92        |                  |           |
| 0.3              | 80        |                  |           |
| 0.212            | 39        |                  |           |
| 0.15             | 5         |                  |           |
| 0.063            | 1         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1215 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.2        |
| Sand               | 98.5       |
|                    |            |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 1.6  |
| Curvature Coefficient  | 0.94 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 13:31 |

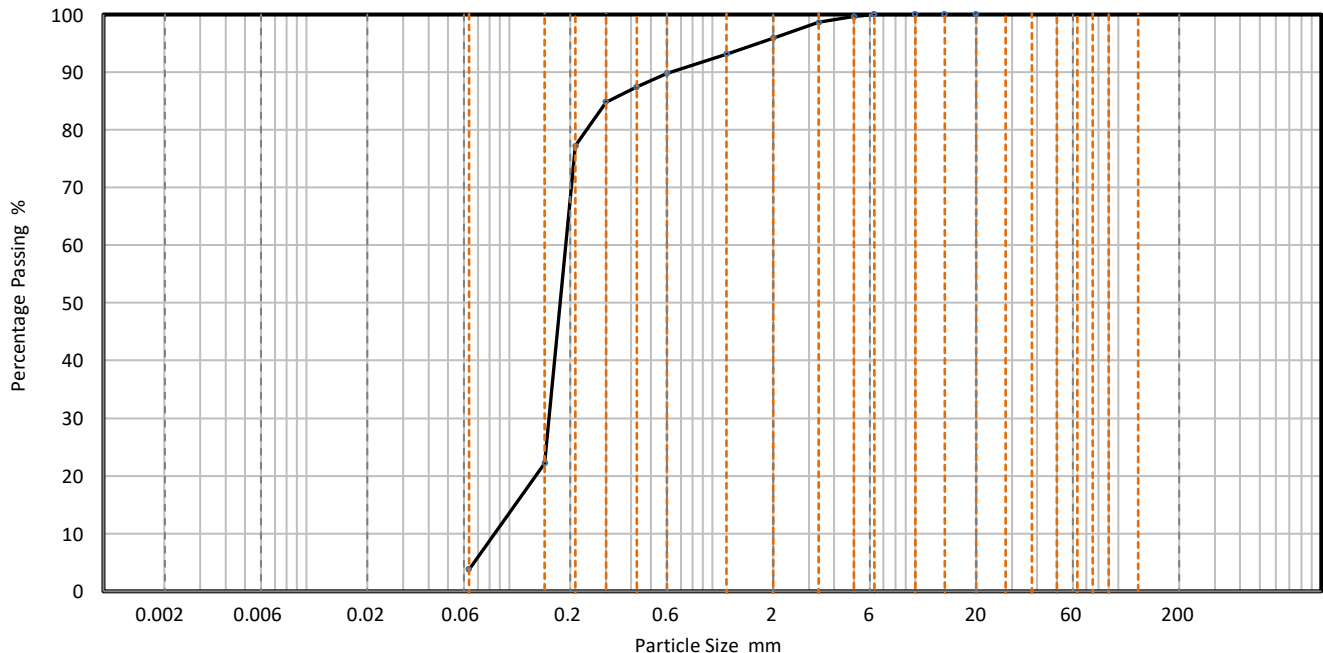
# PARTICLE SIZE DISTRIBUTION

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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                         |
|----------------|--------|------------------|-----------------------------------------|
| Hole           | CP-201 | Lab sample ID    | G2MT2025110545                          |
| Depth (Top) m  | -8.50  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) m |        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 96        |                  |           |
| 1.18             | 93        |                  |           |
| 0.6              | 90        |                  |           |
| 0.425            | 87        |                  |           |
| 0.3              | 85        |                  |           |
| 0.212            | 77        |                  |           |
| 0.15             | 22        |                  |           |
| 0.063            | 4         |                  |           |

Dry Mass of sample, g

1005

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 4.1        |
| Sand               | 92.1       |
|                    |            |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.3 |
| Curvature Coefficient  | 1.5 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:11 |

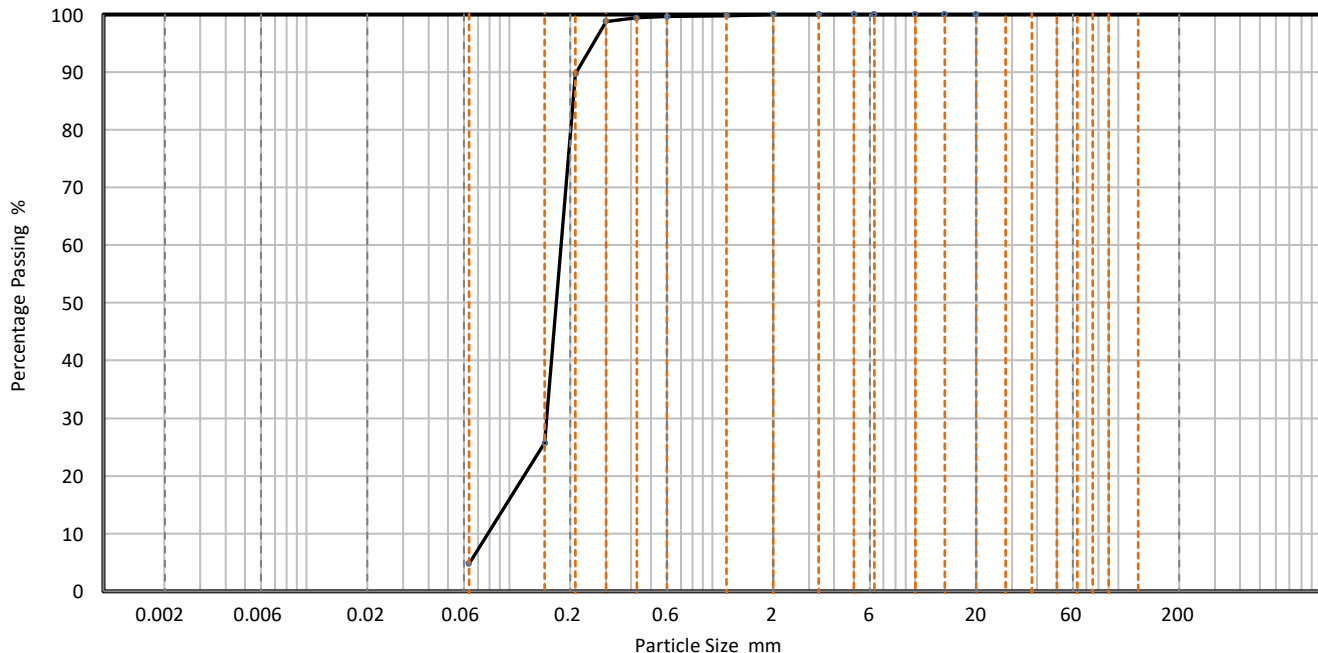
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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TS18 3NA  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                               |
|----------------|--------|------------------|-------------------------------|
| Hole           | CP-201 | Lab sample ID    | G2MT2025110547                |
| Depth (Top) m  | -13.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2 |
| Depth (Base) m |        | Soil Description | Slightly Silty, SAND          |
| Sample type    | B      |                  |                               |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 100       |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 99        |                  |           |
| 0.212            | 90        |                  |           |
| 0.15             | 26        |                  |           |
| 0.063            | 5         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 874 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.0        |
| Sand               | 95.2       |
| Fines <0.063mm     | 5.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2.3 |
| Curvature Coefficient  | 1.7 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:51 |

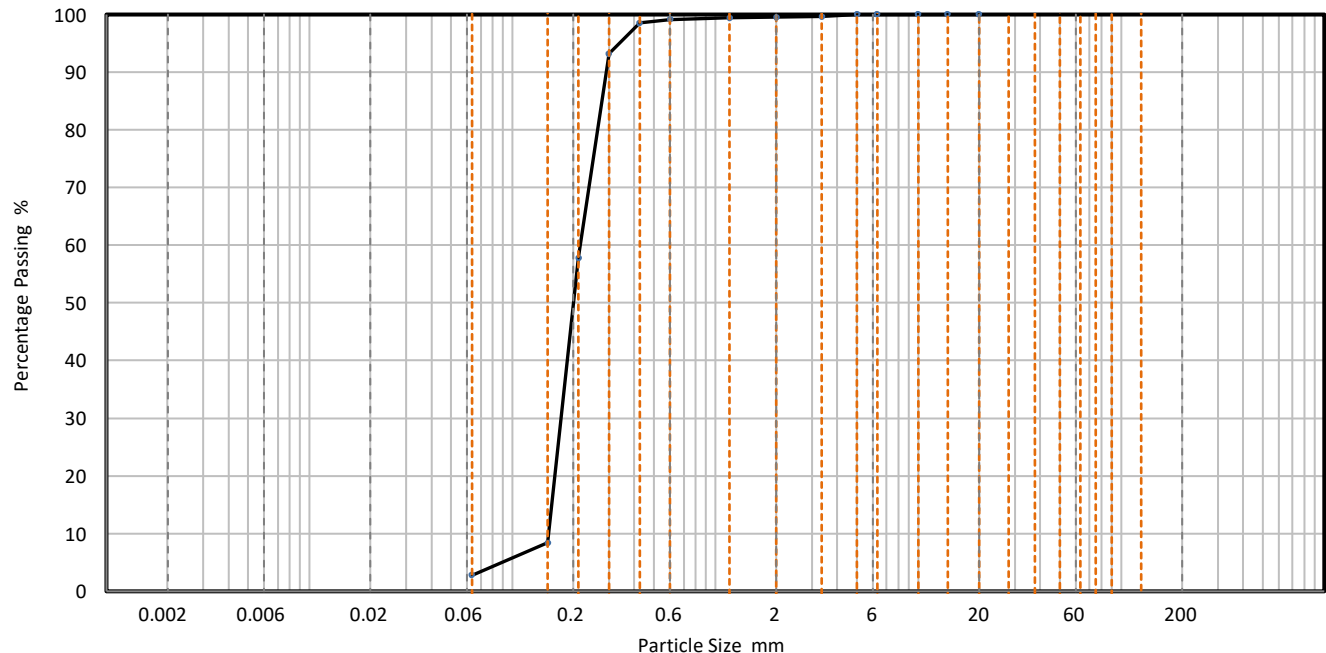
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
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|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-202 | Lab sample ID    | G2MT2025110548                               |
| Depth (Top) m  | 2.00   | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 93        |                  |           |
| 0.212            | 58        |                  |           |
| 0.15             | 8         |                  |           |
| 0.063            | 3         |                  |           |

|                       |      |
|-----------------------|------|
| Dry Mass of sample, g | 1109 |
|-----------------------|------|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.5        |
| Sand               | 96.7       |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 1.4  |
| Curvature Coefficient  | 0.93 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 13:57 |

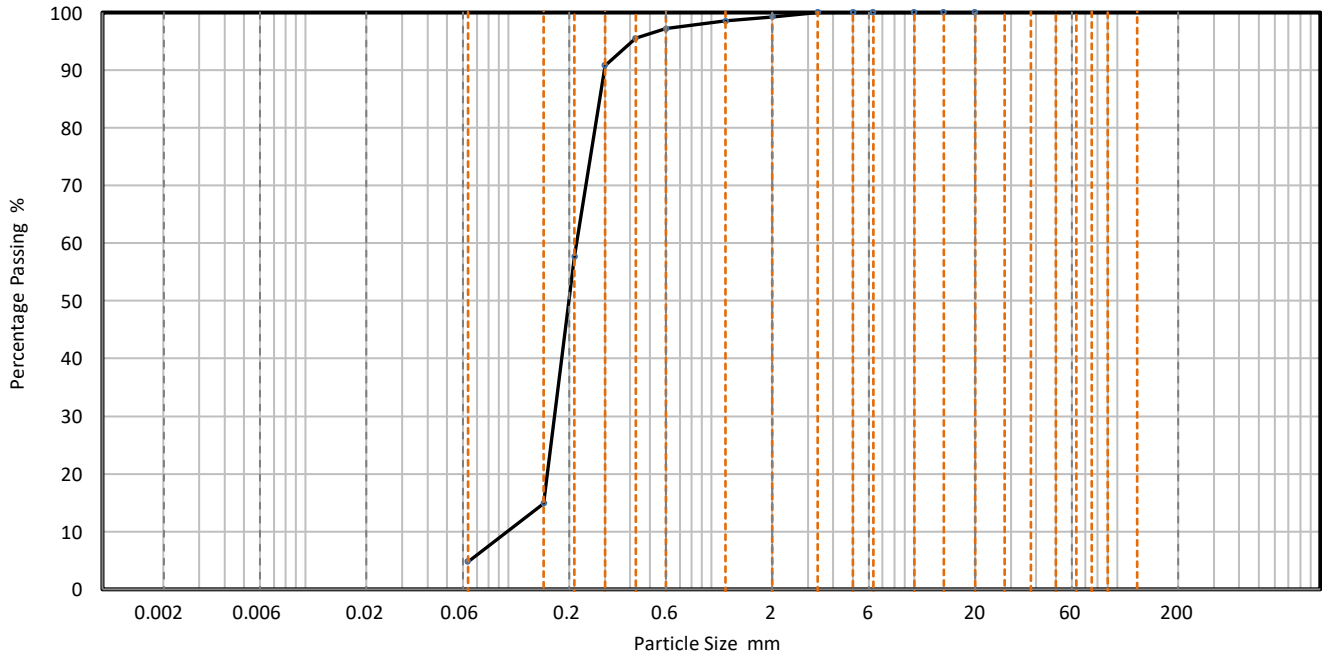
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
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info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-202 | Lab sample ID    | G2MT2025110550                               |
| Depth (Top) m  | -4.00  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 96        |                  |           |
| 0.3              | 91        |                  |           |
| 0.212            | 58        |                  |           |
| 0.15             | 15        |                  |           |
| 0.063            | 5         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 823 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.8        |
| Sand               | 94.4       |
| Fines <0.063mm     | 5.0        |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:28 |



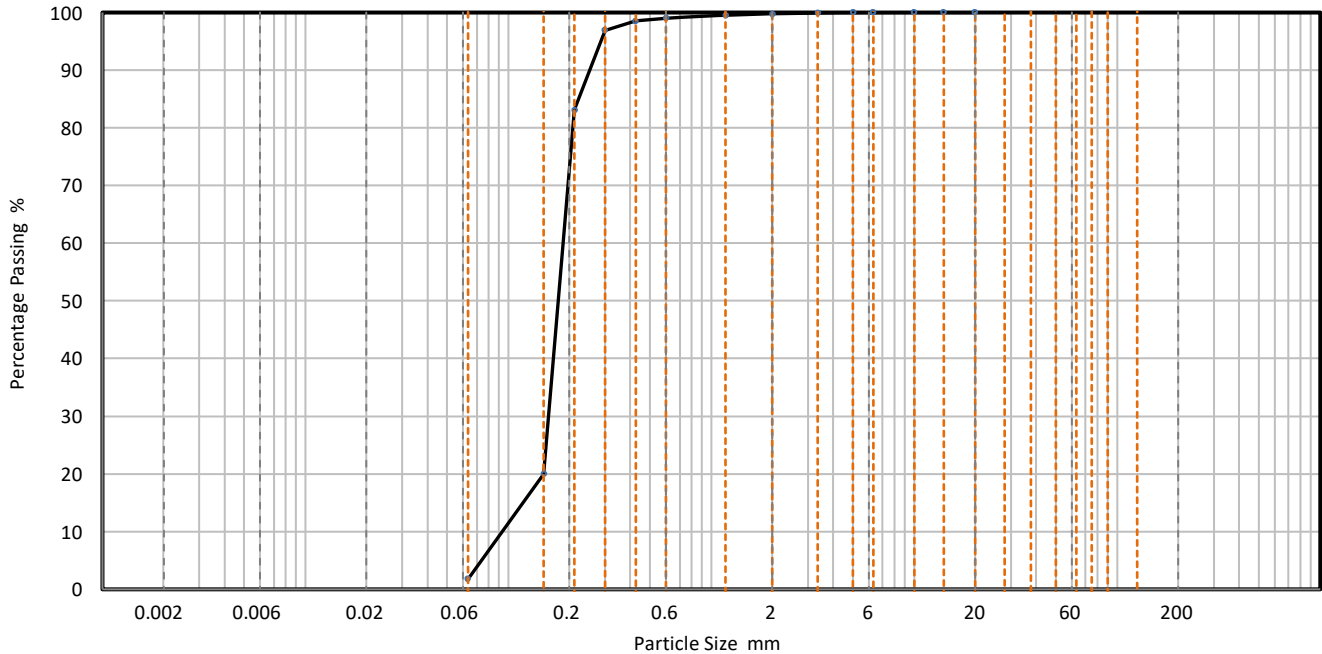
# PARTICLE SIZE DISTRIBUTION

G2M Testing (Stockton)  
12-16 Yarm Road  
Stockton on Tees  
TS18 3NA  
01642 033318  
info@g2mtesting.co.uk



|                            |            |
|----------------------------|------------|
| Site name                  | Job number |
| Marine GI - Ardersier Port | S250403    |

|                |        |                  |                                              |
|----------------|--------|------------------|----------------------------------------------|
| Hole           | CP-202 | Lab sample ID    | G2MT2025110552                               |
| Depth (Top) m  | -7.00  | Test Method      | BS 1377 - 2 : 1990 Clause 9.2                |
| Depth (Base) m |        | Soil Description | Very slightly Gravelly, slightly Silty, SAND |
| Sample type    | B      |                  |                                              |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 99        |                  |           |
| 0.425            | 99        |                  |           |
| 0.3              | 97        |                  |           |
| 0.212            | 83        |                  |           |
| 0.15             | 20        |                  |           |
| 0.063            | 2         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 884 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.3        |
| Sand               | 97.9       |
| Fines <0.063mm     | 2.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 2   |
| Curvature Coefficient  | 1.4 |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

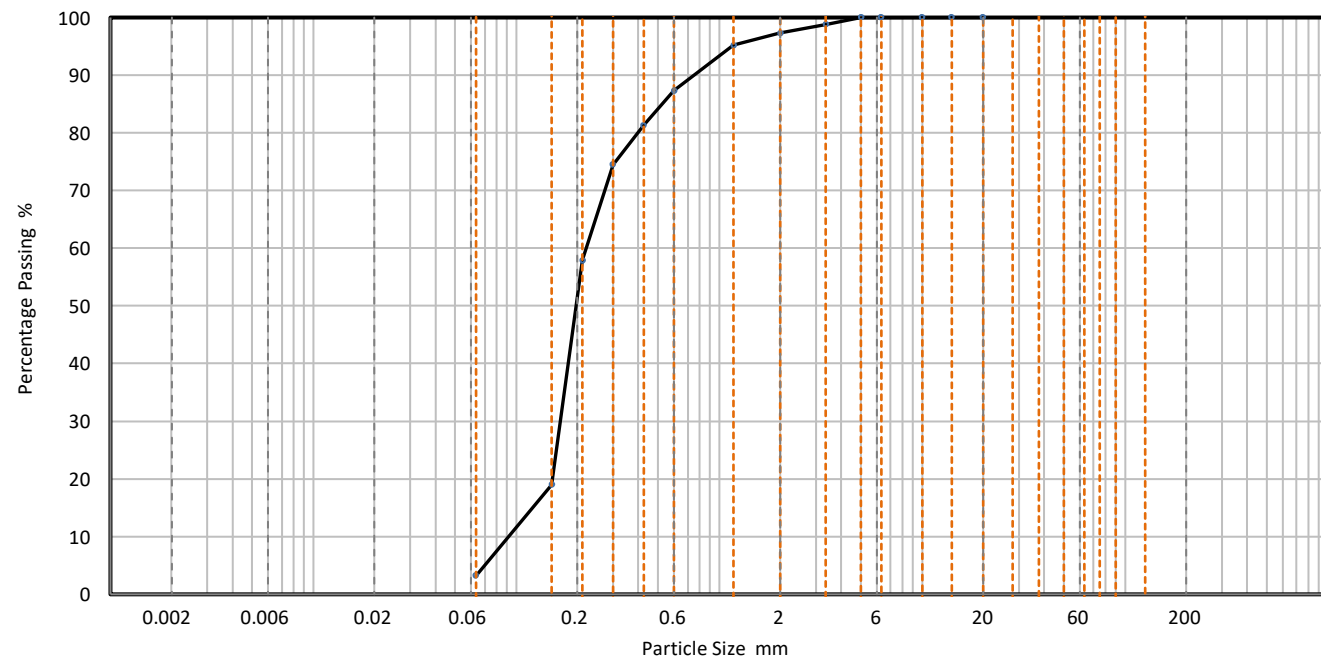
## Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:14 |

|                                                        |            |                                                                                                                    |                                                                                             |
|--------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <h1 style="margin: 0;">PARTICLE SIZE DISTRIBUTION</h1> |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk | <br>10258 |
| Site name                                              | Job number |                                                                                                                    |                                                                                             |
| Marine GI - Ardersier Port                             | S250403    |                                                                                                                    |                                                                                             |

|              |   |        |                  |                                         |
|--------------|---|--------|------------------|-----------------------------------------|
| Hole         |   | CP-202 | Lab sample ID    | G2MT2025110554                          |
| Depth (Top)  | m | -13.00 | Test Method      | BS 1377 - 2 : 1990 Clause 9.2           |
| Depth (Base) | m |        | Soil Description | Slightly Gravelly, slightly Silty, SAND |
| Sample type  |   | B      |                  |                                         |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
|                  |           |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 97        |                  |           |
| 1.18             | 95        |                  |           |
| 0.6              | 87        |                  |           |
| 0.425            | 81        |                  |           |
| 0.3              | 75        |                  |           |
| 0.212            | 58        |                  |           |
| 0.15             | 19        |                  |           |
| 0.063            | 3         |                  |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 818 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 2.7        |
| Sand               | 94.0       |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |        |
|------------------------|--------|
| D100 mm                |        |
| D60 mm                 | 0.221  |
| D30 mm                 | 0.165  |
| D10 mm                 | 0.0912 |
| Uniformity Coefficient | 2.4    |
| Curvature Coefficient  | 1.4    |

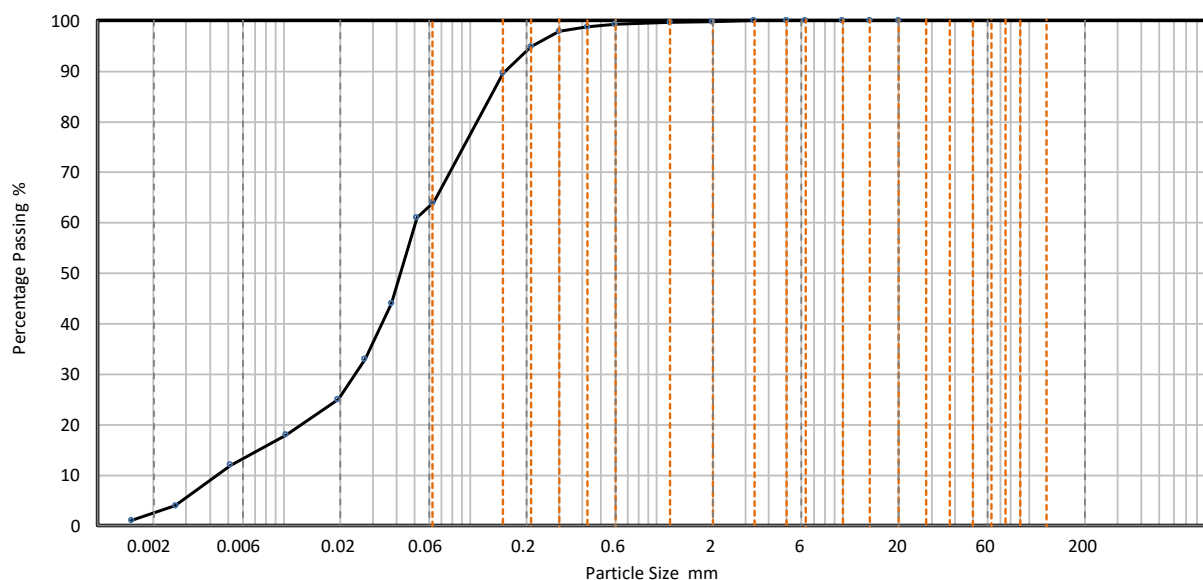
**Remarks**  
 Preparation and testing in accordance with test method unless noted below

**Accreditation status**  
 Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | D Anderson       |
| Approval date | 24/11/2025 14:15 |

| PARTICLE SIZE DISTRIBUTION |            | G2M Testing (Stockton)<br>12-16 Yarm Road<br>Stockton on Tees<br>TS18 3NA<br>01642 033318<br>info@g2mtesting.co.uk |  |
|----------------------------|------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Site name                  | Job number |                                                                                                                    |                                                                                     |
| Marine GI - Ardersier Port | S250403    |                                                                                                                    |                                                                                     |

|              |          |                  |                                        |
|--------------|----------|------------------|----------------------------------------|
| Hole         | CP-202   | Lab sample ID    | G2MT2025110557                         |
| Depth (Top)  | m -16.00 | Test Method      | BS 1377 - 2 : 1990 Clauses 9.2 and 9.5 |
| Depth (Base) | m        | Soil Description | Slightly Clayey, Very Sandy SILT       |
| Sample type  | B        |                  |                                        |



|      |      |        |        |      |        |        |        |        |        |         |          |
|------|------|--------|--------|------|--------|--------|--------|--------|--------|---------|----------|
| CLAY | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine   | Medium | Coarse | COBBLES | BOULDERS |
|      | SILT |        |        | SAND |        |        | GRAVEL |        |        |         |          |

| Sieving          |           | Sedimentation              |           |
|------------------|-----------|----------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm           | % Passing |
|                  |           | 0.0630                     | 64        |
|                  |           | 0.0517                     | 61        |
|                  |           | 0.0377                     | 44        |
|                  |           | 0.0272                     | 33        |
|                  |           | 0.0195                     | 25        |
|                  |           | 0.0102                     | 18        |
|                  |           | 0.0052                     | 12        |
| 20               | 100       | 0.0026                     | 4         |
| 14               | 100       | 0.0015                     | 1         |
| 10               | 100       |                            |           |
| 6.3              | 100       |                            |           |
| 5                | 100       |                            |           |
| 3.35             | 100       |                            |           |
| 2                | 100       |                            |           |
| 1.18             | 100       |                            |           |
| 0.6              | 99        | Particle density (assumed) |           |
| 0.425            | 99        | 2.65                       | Mg/m3     |
| 0.3              | 98        |                            |           |
| 0.212            | 95        |                            |           |
| 0.15             | 90        |                            |           |
| 0.063            | 64        |                            |           |

|                       |     |
|-----------------------|-----|
| Dry Mass of sample, g | 851 |
|-----------------------|-----|

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0.0        |
| Gravel             | 0.2        |
| Sand               | 36.0       |
| Silt               | 61.5       |
| Clay               | 2.3        |

| Grading Analysis       |            |
|------------------------|------------|
| D100                   | mm         |
| D60                    | mm 0.0511  |
| D30                    | mm 0.0238  |
| D10                    | mm 0.00444 |
| Uniformity Coefficient | 12         |
| Curvature Coefficient  | 2.5        |

| Remarks                                                                   |
|---------------------------------------------------------------------------|
| Preparation and testing in accordance with test method unless noted below |
|                                                                           |

#### Accreditation status

Hydrometer is the usual Sedimentation method carried out by G2M Testing and is part of the G2M Testing UKAS accreditation schedule.

|               |                  |
|---------------|------------------|
| Approved by   | JBrischuk        |
| Approval date | 03/12/2025 09:40 |



# Unconsolidated Undrained Triaxial Compression Test without measurement of pore pressure - Multistage test

|                      |                                                                  |                |          |
|----------------------|------------------------------------------------------------------|----------------|----------|
| Job Ref              | S250403                                                          |                |          |
| Borehole/Pit No.     | BH-205                                                           |                |          |
| Site Name            | Marine GI - Ardersier Port                                       |                |          |
| Soil Description     |                                                                  |                |          |
| Specimen Reference   | BH-205                                                           | Specimen Depth | -17.12 m |
| Specimen Description | Very High Strength CLAY                                          |                |          |
| Test Method          | BS1377:Part 7:1990, clause 9, multistage test on a single specim |                |          |
| Sample No.           |                                                                  |                |          |
| Depth                | -17.12                                                           |                |          |
| Sample Type          | U                                                                |                |          |
| KeyLAB ID            | G2MT2025101443                                                   |                |          |
| Date of test         | 28/10/2025                                                       |                |          |

Length  
Diameter  
Bulk Density  
Moisture Content  
Dry Density

|       |       |
|-------|-------|
| mm    | 200.0 |
| mm    | 100.0 |
| Mg/m3 | 2.55  |
| %     | 11    |
| Mg/m3 | 2.29  |

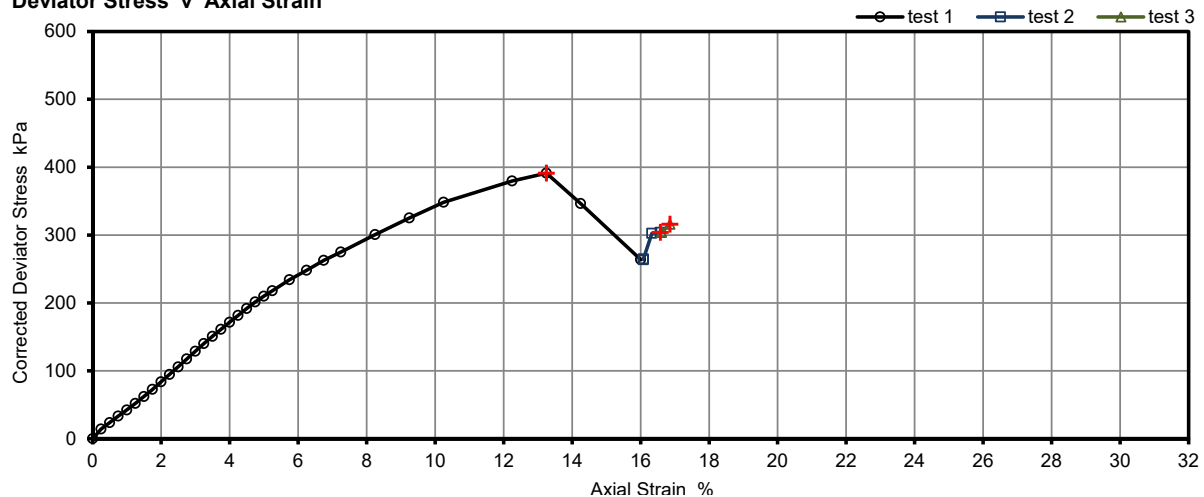
|                      |  |
|----------------------|--|
| No of membranes used |  |
| Total thickness (mm) |  |
| Membrane Correction  |  |

Rate of Strain  
Stage Number  
Cell Pressure  
End of stage

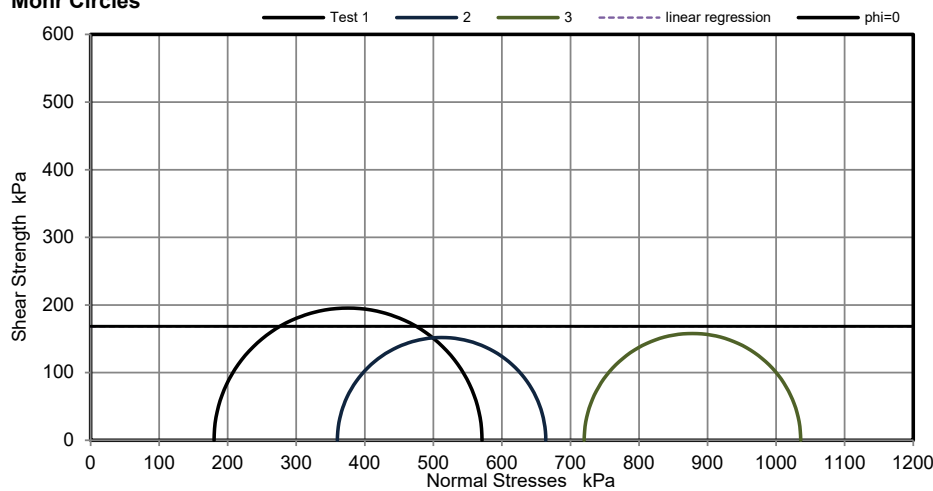
|         |       |       |       |
|---------|-------|-------|-------|
| %/min   | 2.00  |       |       |
|         | 1     | 2     | 3     |
| kPa     | 180   | 360   | 720   |
| %       | 13.2  | 16.6  | 16.9  |
| kPa     | 391.1 | 304.0 | 315.9 |
| kPa     | 195.6 | 152.0 | 158.0 |
| Plastic |       |       |       |

Axial Strain  
Deviator Stress, ( $\sigma_1 - \sigma_3$ ) corrected for area and membrane  
Shear strength, cu  
Mode of failure

Deviator Stress v Axial Strain



Mohr Circles



$\phi_u = 0$   
Average cu 169 kPa  
Linear Regression  
 $\phi_u$  0.0 °  
cu 169 kPa

Mohr circles and their interpretation is not covered by BS1377. These are provided for information only.

Remarks

Approved

JBrischuk

Printed

19/02/2026 09:07

Lab Sheet Reference :

Fig. No.

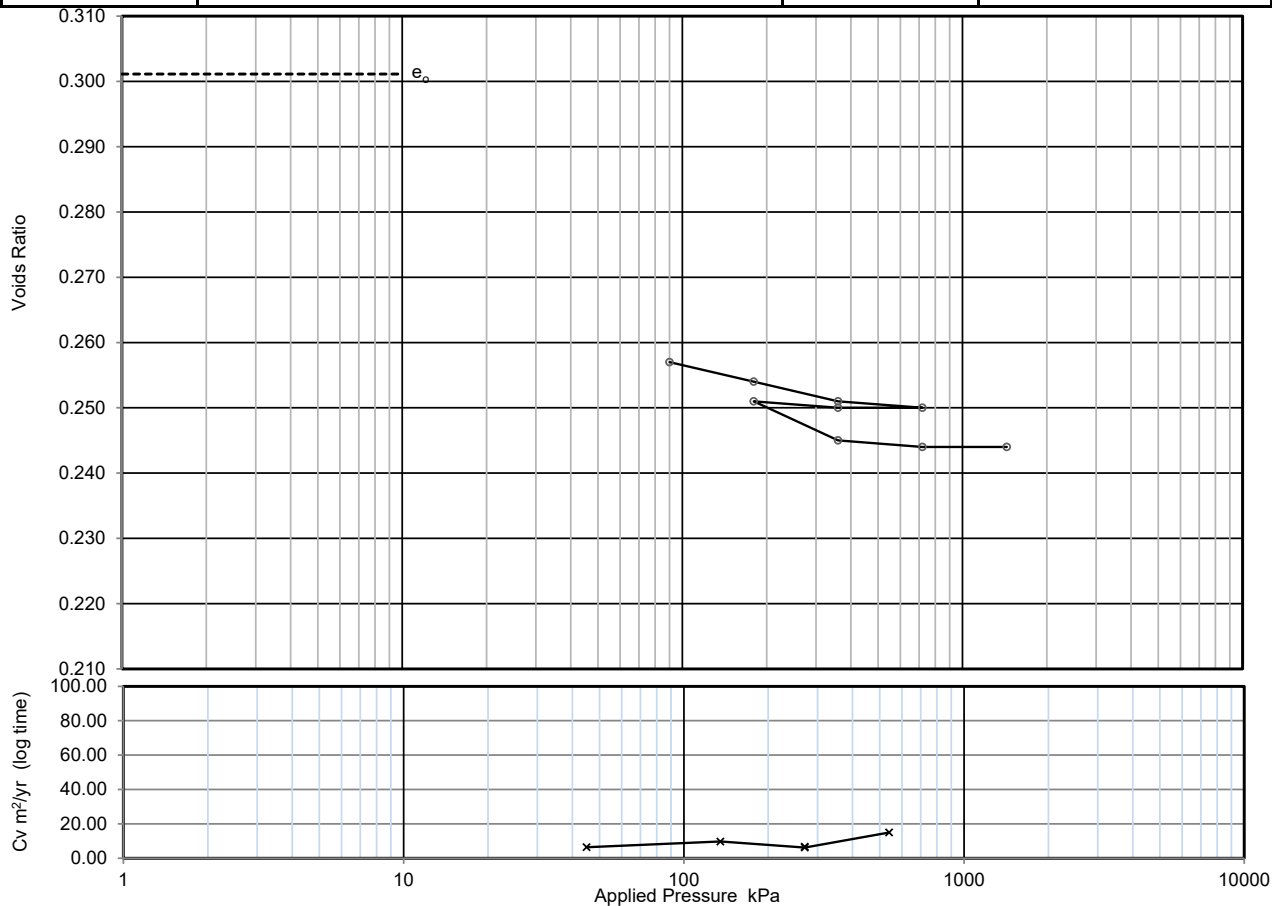
1

Sheet

1

| <div><div><div><div></div><div>UKAS</div><div>TESTING</div></div><div>10258</div></div><div><div>ONE DIMENSIONAL CONSOLIDATION TEST</div><div>ISO 17892-5:2017</div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                            |       |                |       | Job Ref          |        | S250403        |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------|-------|----------------|-------|------------------|--------|----------------|--|----------|--|-------------------------------|-----------------|---------|------------|----|-------|-----|-------|-----|-------|-----|-------|------|-------|------------------------|------------|----|-----|-----|-----|-----|----|-----|-----|------|----|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                            |       |                |       | Borehole/Pit No. | BH-205 |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Site Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | Marine GI - Ardersier Port |       |                |       | Sample No.       |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Soil Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                            |       |                |       | Depth            |        | -17.12         |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Specimen Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 | BH-205                     |       | Specimen Depth |       | -17.12 m         |        | Sample Type    |  | U        |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Specimen Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                            |       |                |       | KeyLAB ID        |        | G2MT2025101443 |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | ISO 17892-5:2017           |       |                |       | Date started     |        | 04/11/2025     |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| <div><div>Voids Ratio</div><div>Cv m<sup>2</sup>/yr (log time)</div><div>Applied Pressure kPa</div></div> <table border="1"><caption>Consolidation Curve Data (Estimated from Graph)</caption><thead><tr><th>Applied Pressure (kPa)</th><th>Voids Ratio (e)</th></tr></thead><tbody><tr><td>0</td><td>0.301 (e₀)</td></tr><tr><td>90</td><td>0.257</td></tr><tr><td>180</td><td>0.254</td></tr><tr><td>360</td><td>0.251</td></tr><tr><td>720</td><td>0.250</td></tr><tr><td>1440</td><td>0.244</td></tr></tbody></table> <table border="1"><caption>Coefficient of Consolidation (Cv) Data (from Table)</caption><thead><tr><th>Applied Pressure (kPa)</th><th>Cv (m²/yr)</th></tr></thead><tbody><tr><td>90</td><td>6.4</td></tr><tr><td>180</td><td>9.7</td></tr><tr><td>360</td><td>54</td></tr><tr><td>720</td><td>170</td></tr><tr><td>1440</td><td>37</td></tr></tbody></table> |                 |                            |       |                |       |                  |        |                |  |          |  | Applied Pressure (kPa)        | Voids Ratio (e) | 0       | 0.301 (e₀) | 90 | 0.257 | 180 | 0.254 | 360 | 0.251 | 720 | 0.250 | 1440 | 0.244 | Applied Pressure (kPa) | Cv (m²/yr) | 90 | 6.4 | 180 | 9.7 | 360 | 54 | 720 | 170 | 1440 | 37 |
| Applied Pressure (kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Voids Ratio (e) |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.301 (e₀)      |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.257           |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.254           |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.251           |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 720                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.250           |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 1440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.244           |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Applied Pressure (kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Cv (m²/yr)      |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6.4             |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9.7             |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 54              |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 720                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 170             |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| 1440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 37              |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Preparation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Index tests                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | Liquid limit               | %     | Plastic limit  |       | %                |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Particle density                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 | assumed                    |       | 2.65           |       | Mg/m³            |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Specimen details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 75.03           |                            | -     |                | mm    |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20.06           |                            | 19.17 |                | mm    |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Water Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12              |                            | 10    |                | %     |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Bulk density                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.27            |                            |       |                | Mg/m³ |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Dry density                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.04            |                            |       |                | Mg/m³ |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Voids Ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.301           |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Saturation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 103             |                            |       |                | %     |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Average temperature for test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 21.0            |                            |       |                | °C    |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Swelling Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                            |       |                | kPa   |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Settlement on saturation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                            |       |                | %     |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                            |       |                |       |                  |        |                |  |          |  |                               |                 |         |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
| Final values should be used with caution<br>Cv plotted at mid point of load increments<br>Cv corrected to 20oC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                            |       |                |       | Tested           |        | Checked        |  | Approved |  | Printed :<br>19/02/2026 09:07 |                 | Fig. No |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                            |       |                |       |                  |        |                |  |          |  |                               |                 | 1       |            |    |       |     |       |     |       |     |       |      |       |                        |            |    |     |     |     |     |    |     |     |      |    |

|                                                                                            |                                                                      |                |          |                  |                |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------|----------|------------------|----------------|
| <br>10258 | <b>ONE DIMENSIONAL CONSOLIDATION TEST</b><br><b>ISO 17892-5:2017</b> |                |          | Job Ref          | S250403        |
|                                                                                            |                                                                      |                |          | Borehole/Pit No. | BH-205         |
| Site Name                                                                                  | Marine GI - Ardersier Port                                           |                |          | Sample No.       |                |
| Soil Description                                                                           |                                                                      |                |          | Depth            | -17.12         |
| Specimen Reference                                                                         | BH-205                                                               | Specimen Depth | -17.12 m | Sample Type      | U              |
| Specimen Description                                                                       |                                                                      |                |          | KeyLAB ID        | G2MT2025101443 |
| Test Method                                                                                | ISO 17892-5:2017                                                     |                |          | Date started     | 04/11/2025     |



| Applied Pressure<br>kPa | Voids ratio | Mv<br>m2/MN | Cv<br>(t50, log)<br>m2/yr | Cv<br>(t90, root)<br>m2/yr | Csec      |
|-------------------------|-------------|-------------|---------------------------|----------------------------|-----------|
| 0.0                     | 0.301       | -           | -                         | -                          | -         |
| 90                      | 0.257       | 0.37        | 6.4                       | 8.8                        | 0.00032   |
| 180                     | 0.254       | 0.025       | 9.7                       | 22                         | 0.00047   |
| 360                     | 0.251       | 0.013       | 6.2                       | 54                         | 0.00063   |
| 720                     | 0.250       | 0.0036      | 15                        | 140                        | 0.00063   |
| 360                     | 0.250       | 0.0014      |                           |                            |           |
| 180                     | 0.251       | 0.0032      |                           |                            |           |
| 360                     | 0.245       | 0.029       | 6.7                       | 600                        | -2.15E+09 |
| 720                     | 0.244       | 0.0017      | 54                        | 170                        | 0.0003    |
| 1,440                   | 0.244       | 0.00015     | 32                        | 37                         | 0.00083   |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |
|                         |             |             |                           |                            |           |

Preparation

Index tests      Liquid limit      %      Plastic limit      %

Particle density      assumed      2.65      Mg/m3

Specimen details

Diameter

Height

Water Content

Bulk density

Dry density

Voids Ratio

Saturation

Average temperature for test

Swelling Pressure

Settlement on saturation

Remarks

| Initial | Final |       |
|---------|-------|-------|
| 75.03   | -     | mm    |
| 20.06   | 19.17 | mm    |
| 12      | 10    | %     |
| 2.27    |       | Mg/m3 |
| 2.04    |       | Mg/m3 |
| 0.301   |       |       |
| 103     |       | %     |
| 21.0    |       | oC    |
|         |       | kPa   |
|         |       | %     |

Final values should be used with caution

Cv plotted at mid point of load increments

Cv corrected to 20oC

Tested

Checked

Approved

Printed :

19/02/2026 09:07

Fig. No

1

[illegible]

[illegible]

|             |         |
|-------------|---------|
| Project No. | S250403 |
|-------------|---------|

[illegible]

Notes

Tests performed in accordance with BS 1377 unless annotated otherwise

Gas Jar tests to BS1377: Part 2 : 1990, clause 8.2



SITE NAME:  
JOB NUMBER:



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| Hole   | Depth m | Type | Hand Vane (kPa) |
|--------|---------|------|-----------------|
| BH-207 | -28.24  | U100 | 12, 10, 10      |
|        |         |      |                 |
|        |         |      |                 |
|        |         |      |                 |
|        |         |      |                 |
|        |         |      |                 |

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Checked & Approved by: J.Brischuk  
Date: 22/09/2025

# Certificate of Analysis

*Certificate Number* 25-21353

*Issued:* 23-Sep-25

*Client* G2M Testing Ltd  
12 Yarm Road  
Stockton On Tees  
Cleveland  
TS18 3NA

*Our Reference* 25-21353

*Client Reference* ~ S250403

*Order No* ~ LAB2464

*Contract Title* ~ MARINE GI-Ardersier Port

*Description* 3 Soil samples.

*Date Received* 15-Sep-25

*Date Started* 15-Sep-25

*Date Completed* 23-Sep-25

*Test Procedures* Identified by prefix DETSn (details on request).

*Notes* Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. 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 except in full, without the prior written approval of the laboratory.

*Approved By* [Redacted]

Reyhan Irfan  
Operations Manager



2139

Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

Unit 2, Park Road Industrial Estate South, Consett, Co Durham, DH8 5PY  
Tel: 01207 582333 • email: [info-dets@normecgroup.com](mailto:info-dets@normecgroup.com) • [normecdets.com](http://normecdets.com)

S250403 Geotech Report 134 of 145

# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-21353

Client Ref ~ S250403

Contract Title ~ MARINE GI-Ardersier Port

|                 |         |         |         |
|-----------------|---------|---------|---------|
| Lab No          | 2568400 | 2568401 | 2568402 |
| Sample ID ~     | BH-116  | BH-114  | BH-117  |
| Depth ~         |         |         |         |
| Other ID ~      |         |         |         |
| Sample Type ~   | D       | D       | D       |
| Sampling Date ~ | n/s     | n/s     | n/s     |
| Sampling Time ~ | n/s     | n/s     | n/s     |

| Test              | Method      | LOD | Units |     |     |     |
|-------------------|-------------|-----|-------|-----|-----|-----|
| <b>Inorganics</b> |             |     |       |     |     |     |
| Organic matter    | DETSC 2002# | 0.1 | %     | 0.2 | 1.4 | 0.6 |

## Information in Support of the Analytical Results

Our Ref 25-21353  
 Client Ref ~ S250403  
 Contract ~ MARINE GI-Ardsier Port

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~ | Date Sampled ~ | Containers Received | Holding time exceeded for tests                             | Incorrect container for tests |
|---------|-------------|----------------|---------------------|-------------------------------------------------------------|-------------------------------|
| 2568400 | BH-116 SOIL |                | PT 500ml            | Sample date not supplied, Organic Matter (Manual) (28 days) |                               |
| 2568401 | BH-114 SOIL |                | PT 500ml            | Sample date not supplied, Organic Matter (Manual) (28 days) |                               |
| 2568402 | BH-117 SOIL |                | PT 500ml            | Sample date not supplied, Organic Matter (Manual) (28 days) |                               |

Key: P-Plastic T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

#### Key:

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

End of Report Ver 25.09.01

# Certificate of Analysis

*Certificate Number* 25-21764

*Issued:* 29-Sep-25

*Client* G2M Testing Ltd  
12 Yarm Road  
Stockton On Tees  
Cleveland  
TS18 3NA

*Our Reference* 25-21764

*Client Reference* ~ S250403

*Order No* ~ LAB2468

*Contract Title* ~ Marine GI - Ardersier

*Description* 1 Soil sample.

*Date Received* 19-Sep-25

*Date Started* 19-Sep-25

*Date Completed* 29-Sep-25

*Test Procedures* Identified by prefix DETSn (details on request).

*Notes* Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. 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 except in full, without the prior written approval of the laboratory.

*Approved By* [Redacted]

Louise Cook  
Contracts Manager



2139

Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

Unit 2, Park Road Industrial Estate South, Consett, Co Durham, DH8 5PY  
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# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-21764

Client Ref ~ S250403

Contract Title ~ Marine GI - Ardersier

|                 |         |
|-----------------|---------|
| Lab No          | 2570948 |
| Sample ID ~     | BH-108  |
| Depth ~         | 4.80    |
| Other ID ~      |         |
| Sample Type ~   | D       |
| Sampling Date ~ | n/s     |
| Sampling Time ~ | n/s     |

| Test              | Method      | LOD | Units |     |
|-------------------|-------------|-----|-------|-----|
| <b>Inorganics</b> |             |     |       |     |
| Organic matter    | DETSC 2002# | 0.1 | %     | 0.4 |

## Information in Support of the Analytical Results

Our Ref ~ 25-21764  
Client Ref ~ S250403  
Contract ~ Marine GI - Ardersier

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~         | Date      |  | Containers Received | Holding time exceeded for tests                             | Incorrect container for tests |
|---------|---------------------|-----------|--|---------------------|-------------------------------------------------------------|-------------------------------|
|         |                     | Sampled ~ |  |                     |                                                             |                               |
| 2570948 | BH-108 4.80<br>SOIL |           |  | PT 1L               | Sample date not supplied, Organic Matter (Manual) (28 days) |                               |

Key: P-Plastic T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

#### Key:

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

End of Report Ver 25.09.01

## Certificate of Analysis

*Certificate Number* 25-22803

*Issued:* 09-Oct-25

*Client* G2M Testing Ltd  
12 Yarm Road  
Stockton On Tees  
Cleveland  
TS18 3NA

*Our Reference* 25-22803

*Client Reference* ~ S250403

*Order No* ~ LAB2480

*Contract Title* ~ Marine GI - Ardersier Port Sch 11, 16, 17 Comb

*Description* 1 Soil sample.

*Date Received* 03-Oct-25

*Date Started* 03-Oct-25

*Date Completed* 09-Oct-25

*Test Procedures* Identified by prefix DETSn (details on request).

*Notes* Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. 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 except in full, without the prior written approval of the laboratory.

*Approved By* [Redacted]

Louise Cook  
Contracts Manager



2139

Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

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# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-22803

Client Ref ~ S250403

Contract Title ~ Marine GI - Ardersier Port Sch 11, 16, 17 Comb

|                 |         |
|-----------------|---------|
| Lab No          | 2577144 |
| Sample ID ~     | BH119   |
| Depth ~         | 6.20    |
| Other ID ~      |         |
| Sample Type ~   | D       |
| Sampling Date ~ | n/s     |
| Sampling Time ~ | n/s     |

| Test              | Method      | LOD | Units |     |
|-------------------|-------------|-----|-------|-----|
| <b>Inorganics</b> |             |     |       |     |
| Organic matter    | DETSC 2002# | 0.1 | %     | 0.6 |

## Information in Support of the Analytical Results

Our Ref 25-22803  
 Client Ref ~ S250403  
 Contract ~ Marine GI - Ardersier Port Sch 11, 16, 17 Comb

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~     | Date      |  | Containers Received | Holding time exceeded for tests                             | Incorrect container for tests |
|---------|-----------------|-----------|--|---------------------|-------------------------------------------------------------|-------------------------------|
|         |                 | Sampled ~ |  |                     |                                                             |                               |
| 2577144 | BH119 6.20 SOIL |           |  | PT 1L               | Sample date not supplied, Organic Matter (Manual) (28 days) |                               |

Key: P-Plastic T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve  
 Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.  
 The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-  
 Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

#### Key:

- ~ Sample details are provided by the client and can affect the validity of the results
- \* -not accredited.
- # -MCERTS (accreditation only applies if report carries the MCERTS logo).
- \$ -subcontracted.
- n/s -not supplied.
- I/S -insufficient sample.
- U/S -unsuitable sample.
- t/f -to follow.
- nd -not detected.

End of Report Ver 25.10.01

# Certificate of Analysis

*Certificate Number* 25-23928

*Issued:* 23-Oct-25

*Client* G2M Testing Ltd  
12 Yarm Road  
Stockton On Tees  
Cleveland  
TS18 3NA

*Our Reference* 25-23928

*Client Reference* ~ S250403

*Order No* ~ LAB2490

*Contract Title* ~ Marine GI - Ardersier Port SCH 12, 13, 14, 18, 19, 20, 21, 25, 26, 1

*Description* 2 Soil samples.

*Date Received* 16-Oct-25

*Date Started* 16-Oct-25

*Date Completed* 23-Oct-25

*Test Procedures* Identified by prefix DETSn (details on request).

*Notes* Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. 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 except in full, without the prior written approval of the laboratory.

*Approved By* [Redacted]

Reyhan Irfan  
Operations Manager



2139

Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

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S250403 Geotech Report 143 of 145

# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-23928

Client Ref ~ S250403

Contract Title ~ Marine GI - Ardersier Port SCH 12, 13, 14, 18, 19, 20, 21, 25, 26, Comb

|                 |         |         |
|-----------------|---------|---------|
| Lab No          | 2583871 | 2583872 |
| Sample ID ~     | BH-202  | BH-201  |
| Depth ~         | 4.10    | 4.70    |
| Other ID ~      |         |         |
| Sample Type ~   | D       | D       |
| Sampling Date ~ | n/s     | n/s     |
| Sampling Time ~ | n/s     | n/s     |

| Test              | Method      | LOD | Units |     |     |
|-------------------|-------------|-----|-------|-----|-----|
| <b>Inorganics</b> |             |     |       |     |     |
| Organic matter    | DETSC 2002# | 0.1 | %     | 4.6 | 0.4 |

## Information in Support of the Analytical Results

Our Ref 25-23928  
 Client Ref ~ S250403  
 Contract ~ Marine GI - Ardersier Port SCH 12, 13, 14, 18, 19, 20, 21, 25, 26, Comb

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~         | Date Sampled ~ | Containers Received | Holding time exceeded for tests                             | Incorrect container for tests |
|---------|---------------------|----------------|---------------------|-------------------------------------------------------------|-------------------------------|
| 2583871 | BH-202 4.10<br>SOIL |                | PT 1L               | Sample date not supplied, Organic Matter (Manual) (28 days) |                               |
| 2583872 | BH-201 4.70<br>SOIL |                | PT 1L               | Sample date not supplied, Organic Matter (Manual) (28 days) |                               |

Key: P-Plastic T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve  
 Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.  
 The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-  
 Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

#### Key:

- ~ Sample details are provided by the client and can affect the validity of the results
- \* -not accredited.
- # -MCERTS (accreditation only applies if report carries the MCERTS logo).
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- n/s -not supplied.
- I/S -insufficient sample.
- U/S -unsuitable sample.
- t/f -to follow.
- nd -not detected.

End of Report Ver 25.10.01

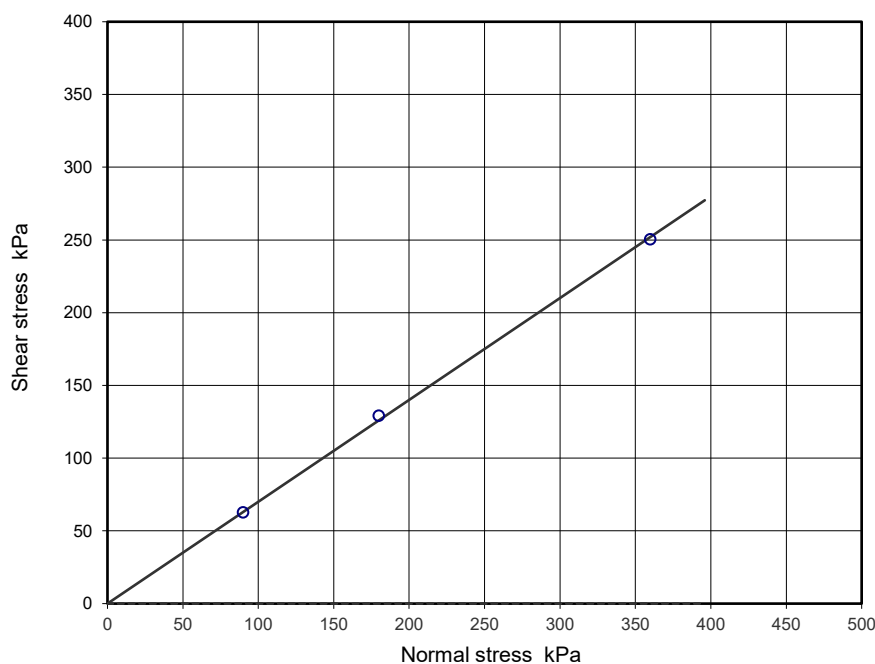
|                                 |                                                                                      |                |   |                  |                |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-101         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 0.8            |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010625 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     |                |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.4   | 26.3   |  |  | mm                |
|                  | Bulk Density                           |          | 1.76   | 1.76   | 1.76   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 10.3   | 10.3   | 10.3   |  |  | %                 |
|                  | Dry density                            |          | 1.60   | 1.60   | 1.60   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.656  | 0.656  | 0.656  |  |  |                   |
|                  | Degree of Saturation                   |          | 42     | 42     | 42     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 90     | 180    | 360    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.144 | -0.214 | -0.538 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.647  | 0.643  | 0.622  |  |  |                   |
| After test       | Final Moisture content                 |          | 24.0   | 23.9   | 23.2   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 0.90    | 1.30    | 1.75    |  |  |  | mm     |
|                      | Shear stress                                | 62.7    | 129.2   | 250.3   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.06   | -0.10   | -0.45   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 2.2 ]    | 0      |
| Ø'                 | degrees | [ 34.5 ]   | 35     |

#### Residual strength, (x)

|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

#### Remarks

Date Printed

27/02/2026



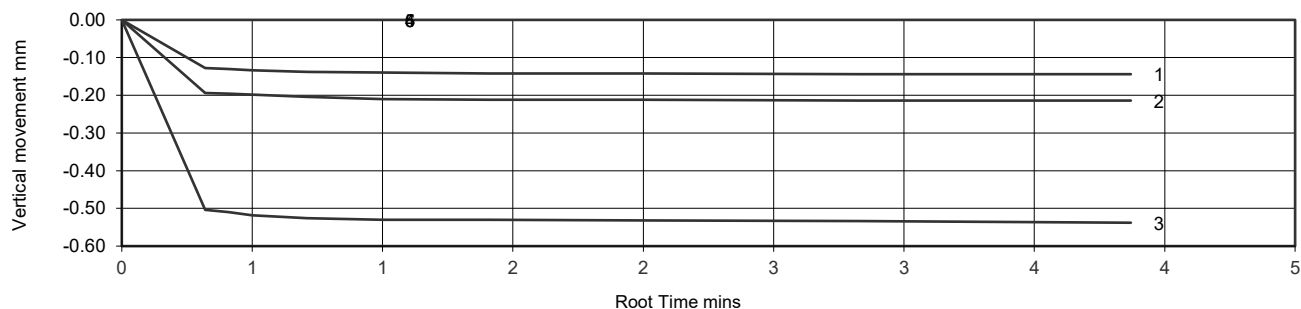
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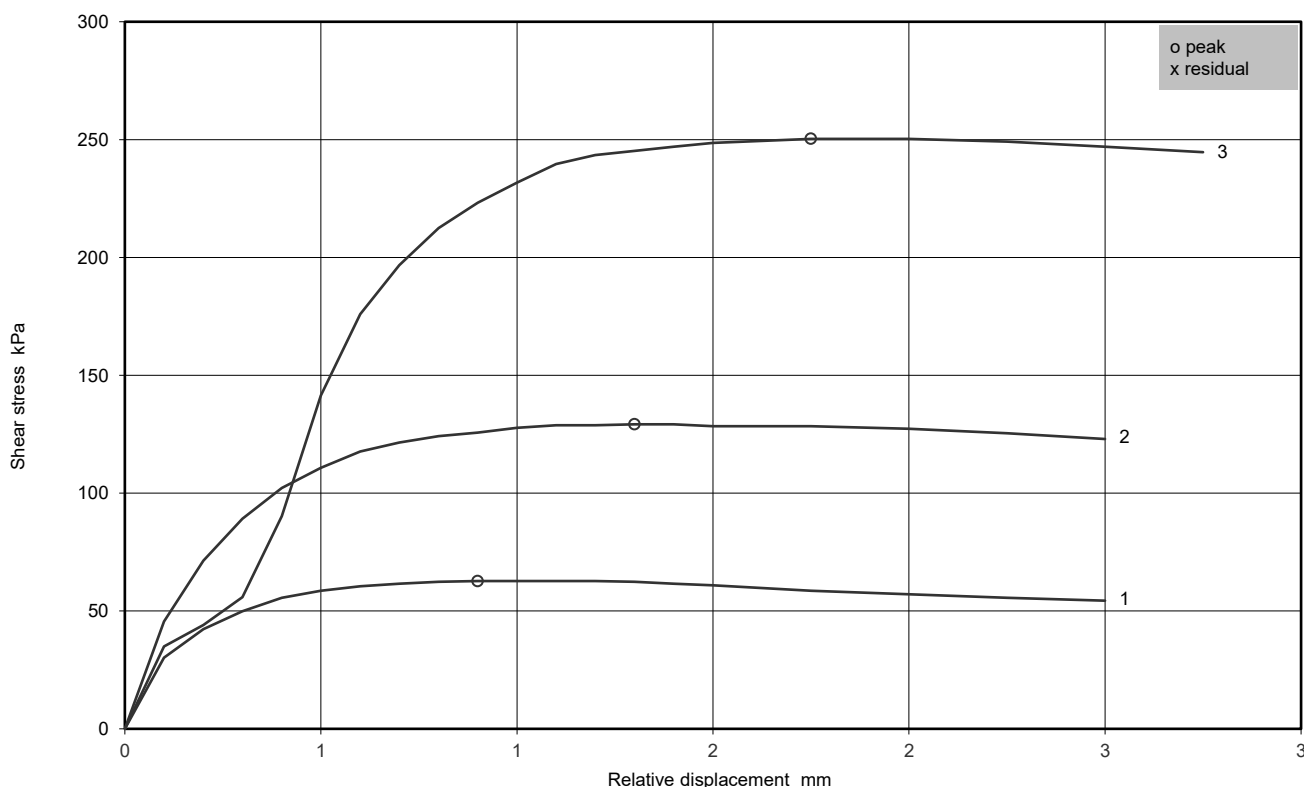
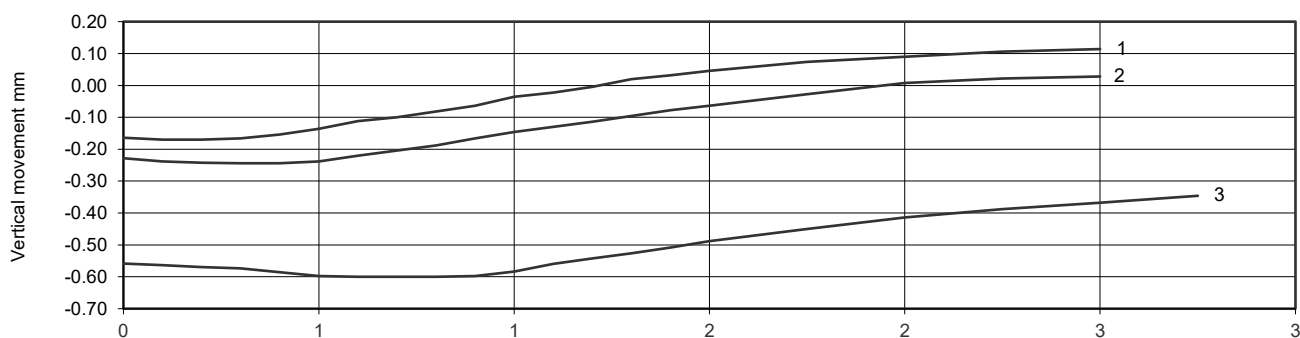
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|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH-101         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 0.8            |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010625 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

Date Printed

27/02/2026



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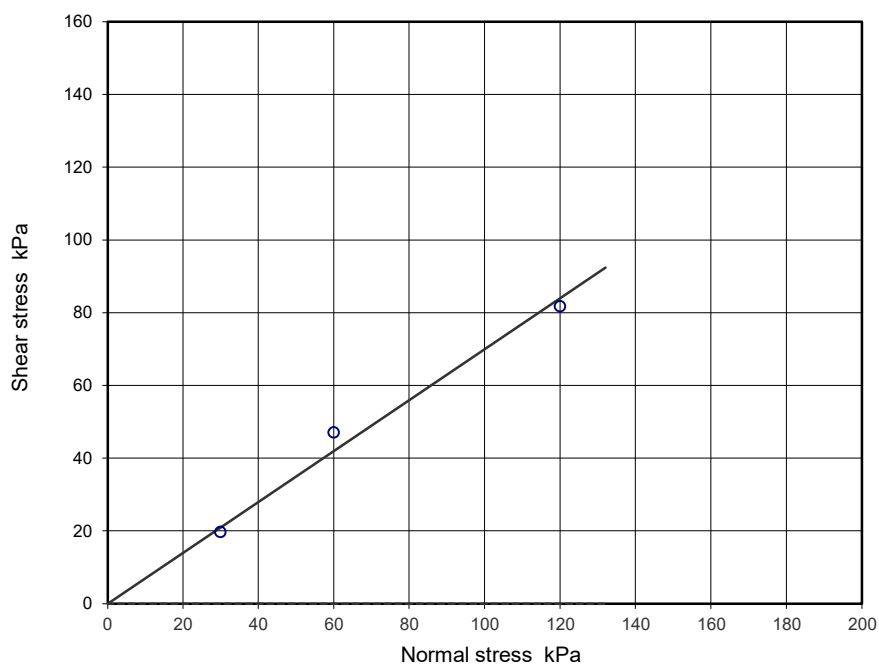
|                                 |                                                                                      |                |   |                  |                |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-101         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Grey and brown silty SAND                                                            |                |   | Depth m          | 2.2            |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010624 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     |                |

Preparation Details -2mm material. Recompact to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.4   | 26.4   |  |  | mm                |
|                  | Bulk Density                           |          | 1.81   | 1.81   | 1.81   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 22.1   | 22.1   | 22.1   |  |  | %                 |
|                  | Dry density                            |          | 1.48   | 1.48   | 1.48   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.791  | 0.791  | 0.791  |  |  |                   |
|                  | Degree of Saturation                   |          | 74     | 74     | 74     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 30     | 60     | 120    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.082 | -0.204 | -0.366 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.785  | 0.777  | 0.766  |  |  |                   |
| After test       | Final Moisture content                 |          | 24.4   | 23.8   | 24.1   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 1.00    | 1.30    | 1.30    |  |  |  | mm     |
|                      | Shear stress                                | 19.7    | 47.1    | 81.7    |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | 0.03    | -0.15   | -0.30   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 2.4 ]    | 0      |
| Ø'                 | degrees | [ 34.0 ]   | 35     |

#### Residual strength, (x)

|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

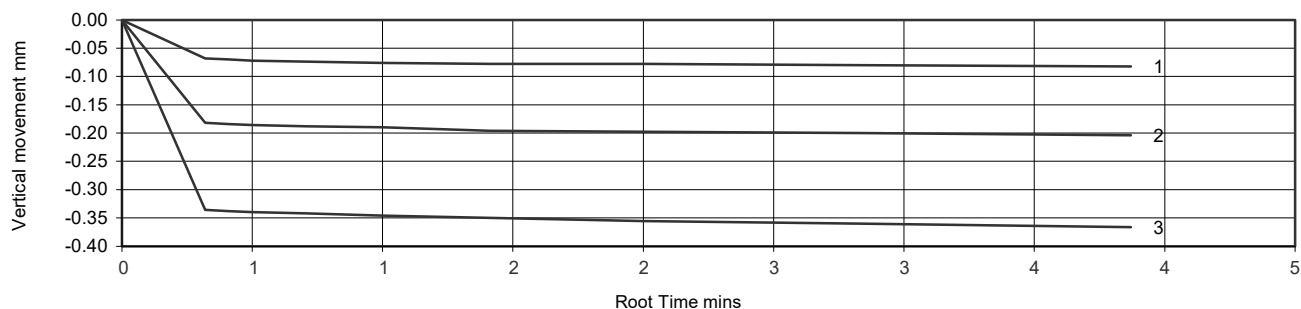
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| Remarks |
|         |

|  |              |                                                                                      |                                                                                       |     |
|--|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
|  | Date Printed |  |  | SSB |
|  | 26/02/2026   |                                                                                      |                                                                                       |     |

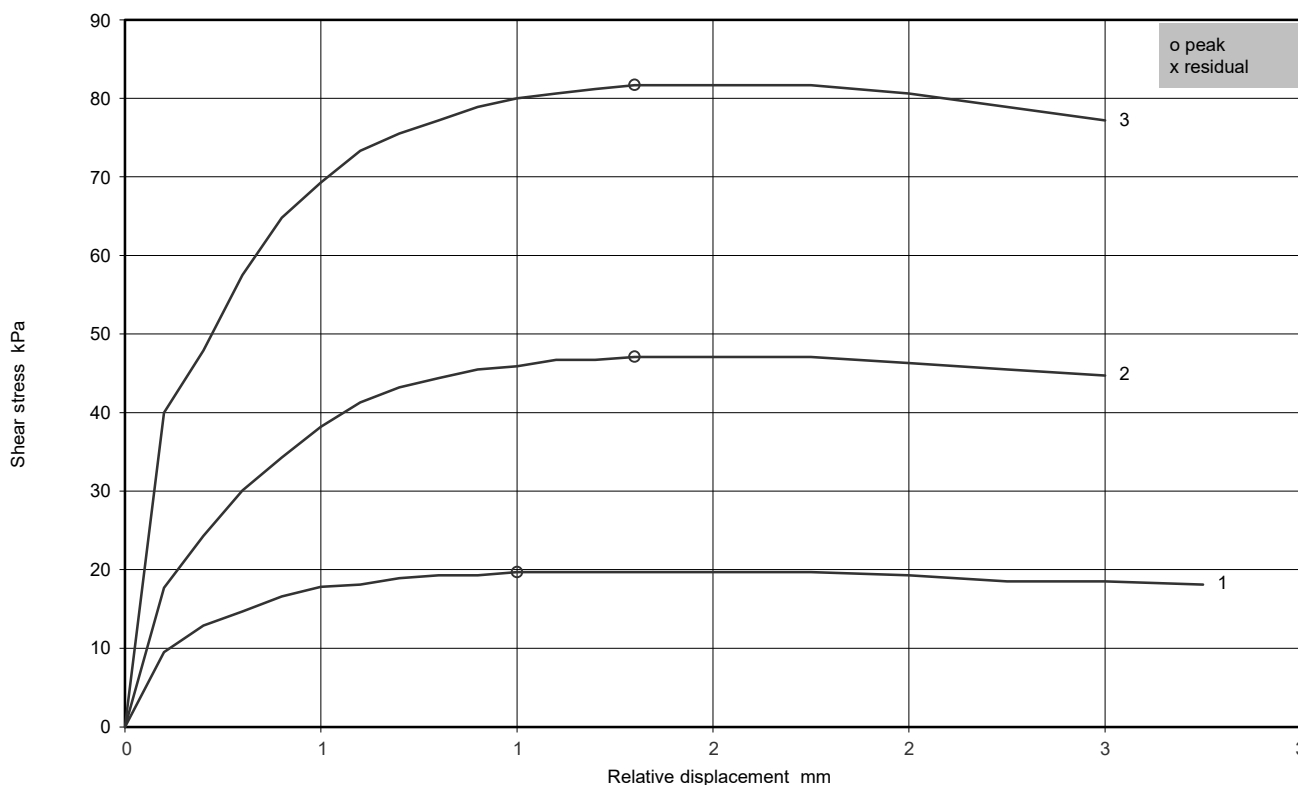
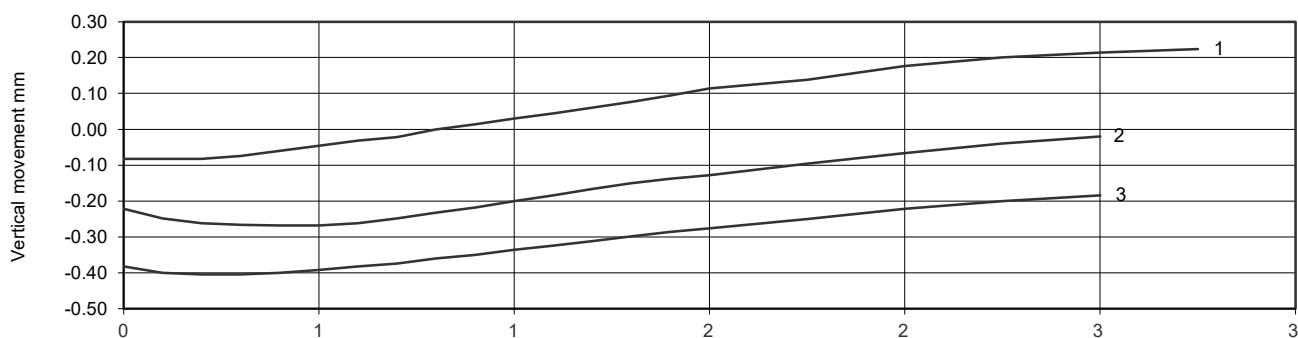


|                                                                                      |                            |                |  |   |                  |                |
|--------------------------------------------------------------------------------------|----------------------------|----------------|--|---|------------------|----------------|
| <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                            |                |  |   | Job Ref          | J331504        |
|                                                                                      |                            |                |  |   | Borehole/Pit No. | BH-101         |
| Project Name                                                                         | Marine GI - Ardersier Port |                |  |   | Sample No.       |                |
| Soil Description                                                                     | Grey and brown silty SAND  |                |  |   | Depth m          | 2.2            |
| Specimen Reference                                                                   |                            | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description                                                                 |                            |                |  |   | KeyLAB ID        | TTLP2026010624 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

Date Printed

26/02/2026



**SSB**

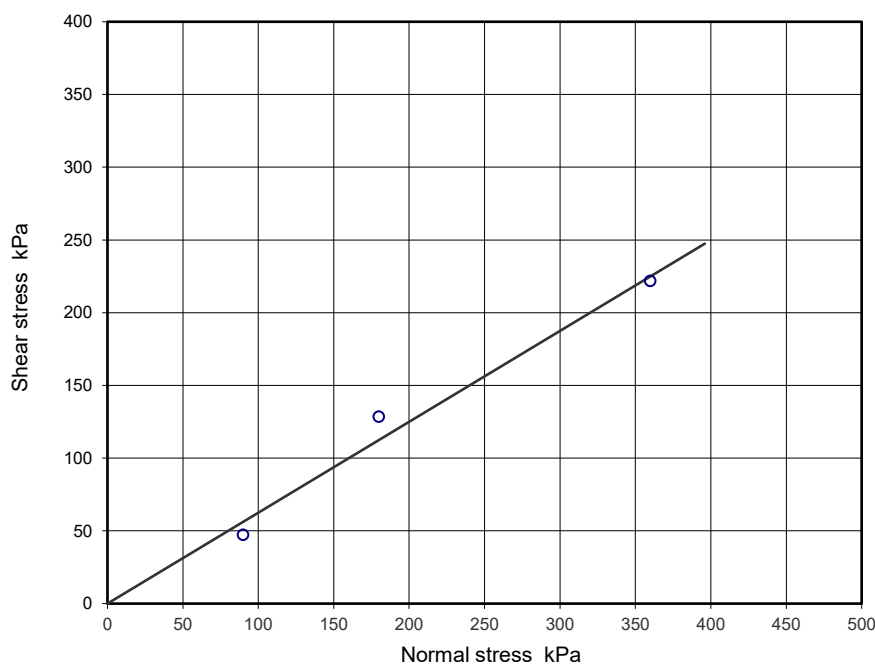
|                                 |                                                                                      |                |   |                  |                |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-101         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 5.3            |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010626 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 03/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.0   | 26.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.78   | 1.78   | 1.78   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 24.4   | 24.4   | 24.4   |  |  | %                 |
|                  | Dry density                            |          | 1.43   | 1.43   | 1.43   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.853  | 0.853  | 0.853  |  |  |                   |
|                  | Degree of Saturation                   |          | 76     | 76     | 76     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 90     | 180    | 360    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.508 | -0.498 | -0.600 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.817  | 0.818  | 0.810  |  |  |                   |
| After test       | Final Moisture content                 |          | 24.3   | 23.6   | 23.0   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 7.00    | 5.00    | 2.75    |  |  |  | mm     |
|                      | Shear stress                                | 47.3    | 128.5   | 221.7   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.13   | -0.71   | -0.67   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 0.7 ]    | 0      |
| Ø'                 | degrees | [ 32.0 ]   | 32     |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

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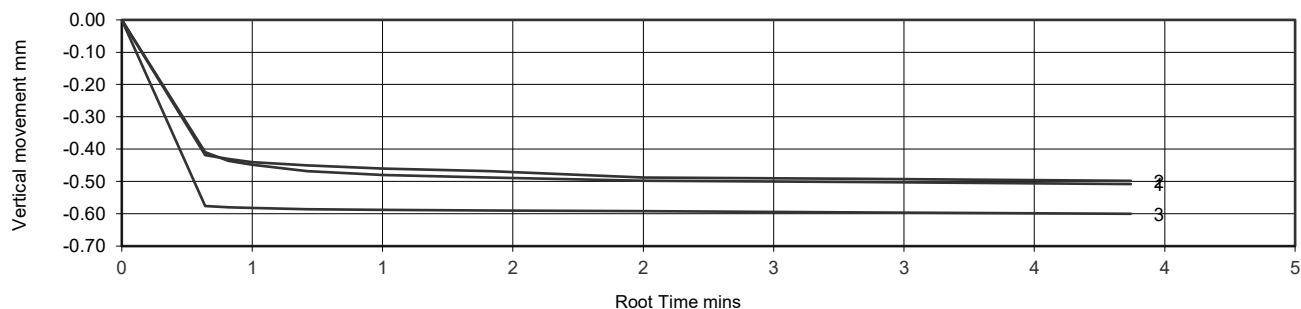
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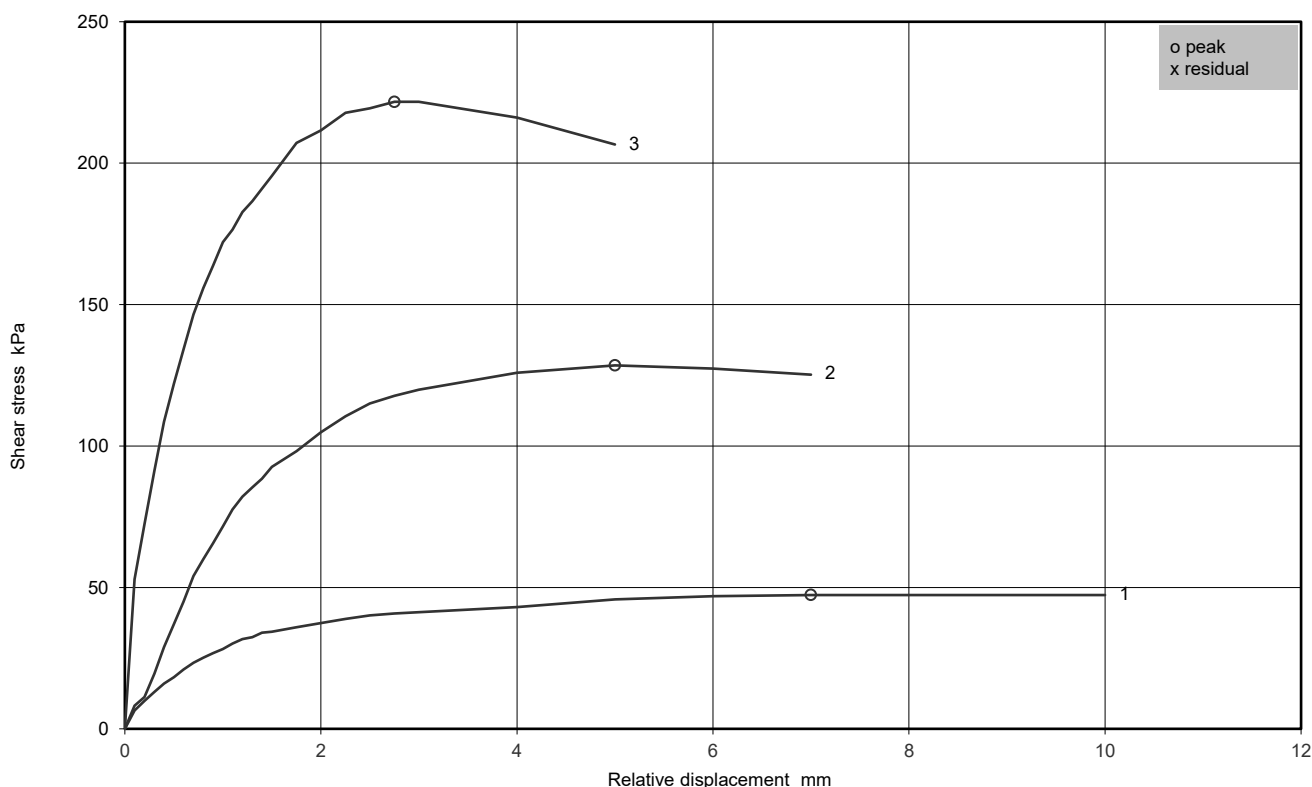
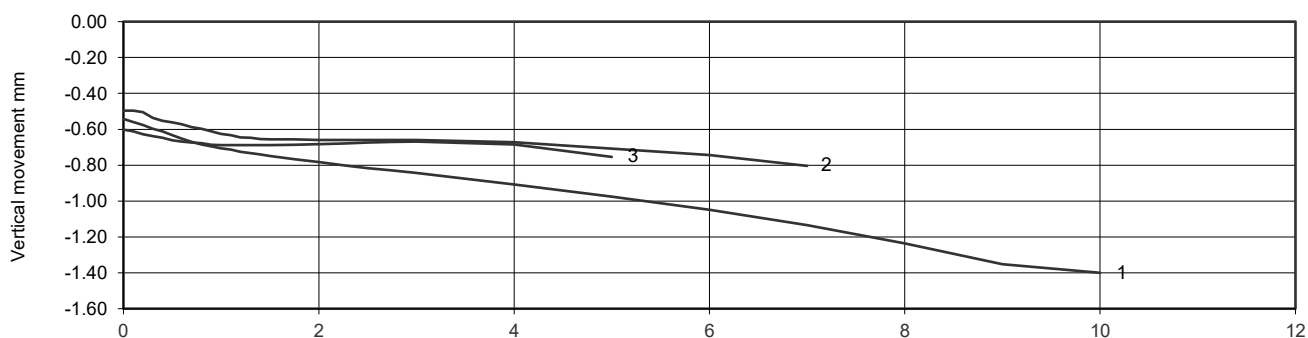
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|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH-101         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 5.3            |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010626 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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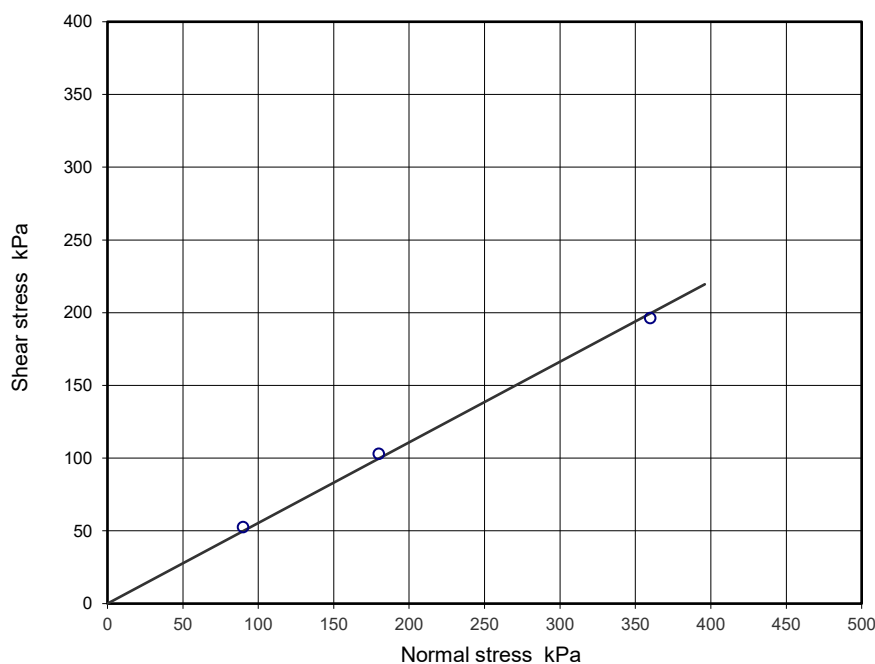
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-102         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 1              |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010631 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 03/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.3   | 26.3   |  |  | mm                |
|                  | Bulk Density                           |          | 1.77   | 1.77   | 1.77   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 18.6   | 18.6   | 18.6   |  |  | %                 |
|                  | Dry density                            |          | 1.49   | 1.49   | 1.49   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.779  | 0.779  | 0.779  |  |  |                   |
|                  | Degree of Saturation                   |          | 63     | 63     | 63     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 90     | 180    | 360    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.290 | -0.394 | -0.600 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.759  | 0.752  | 0.738  |  |  |                   |
| After test       | Final Moisture content                 |          | 23.2   | 22.2   | 23.0   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 5.00    | 5.00    | 2.75    |  |  |  | mm     |
|                      | Shear stress                                | 52.5    | 103.0   | 196.2   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.70   | -0.68   | -0.83   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 5.9 ]    | 0      |
| Ø'                 | degrees | [ 28.0 ]   | 29     |

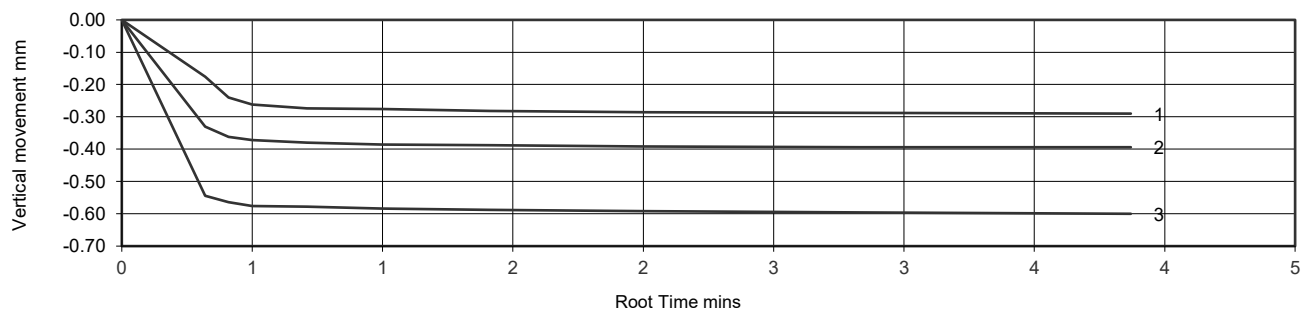
| Residual strength, (x) |         |              |   |
|------------------------|---------|--------------|---|
| c'R                    | kPa     | not assessed | - |
| Ø'R                    | degrees | not assessed | - |

|         |
|---------|
| Remarks |
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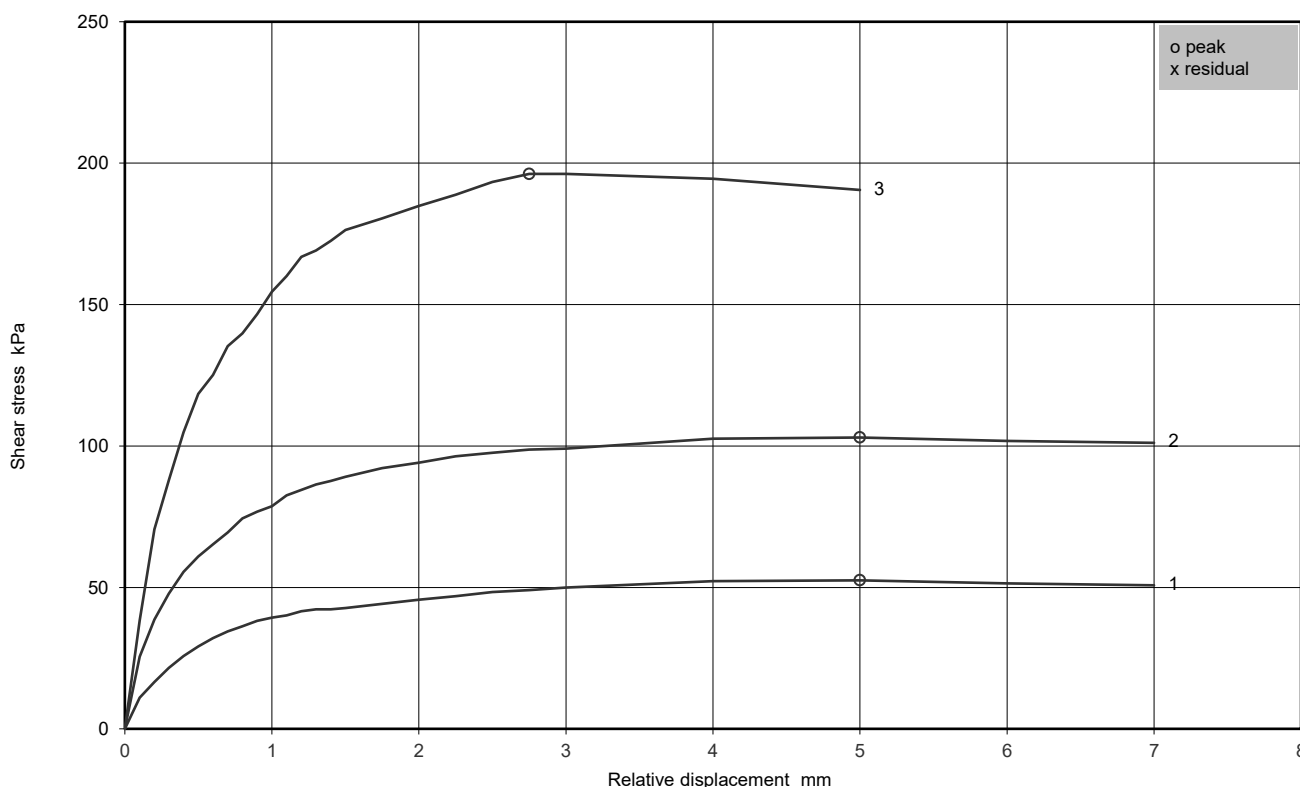
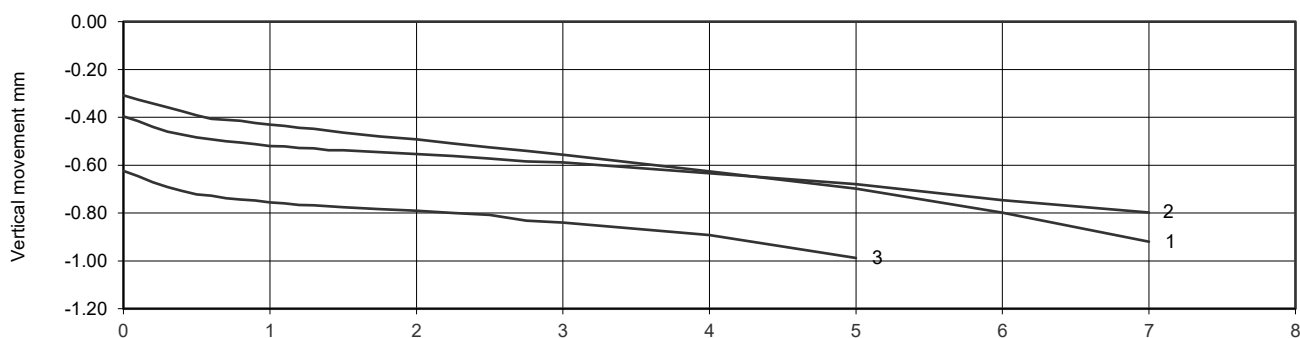
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|  | Date Printed |   | SSB |
|  | 04/03/2026   |                                                                                                                                                                            |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH-102         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 1              |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010631 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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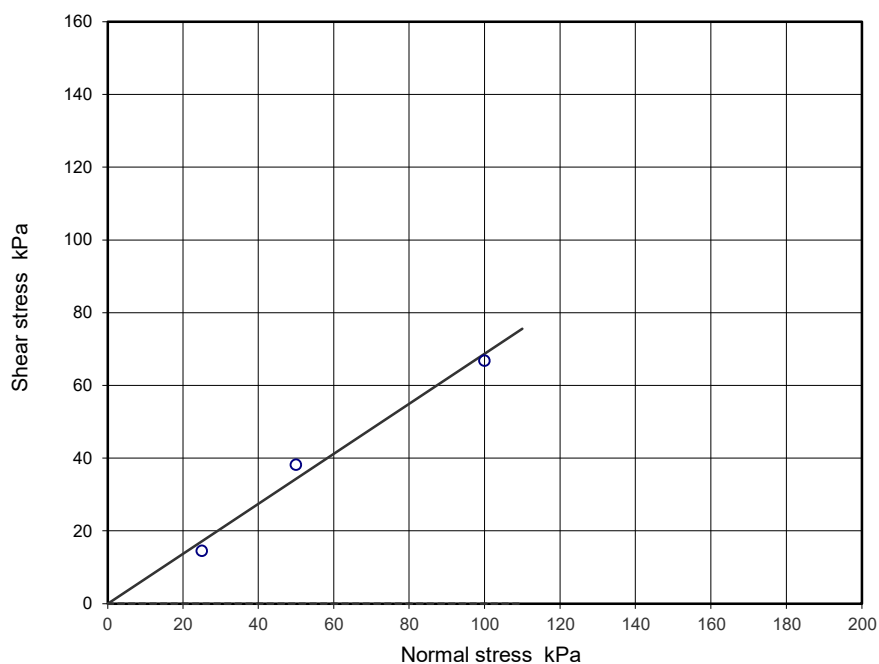
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| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-102         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Grey and brown silty SAND                                                            |                |   | Depth m          | 3.5            |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010630 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     |                |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.0   | 26.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.90   | 1.90   | 1.90   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 24.7   | 24.7   | 24.7   |  |  | %                 |
|                  | Dry density                            |          | 1.52   | 1.52   | 1.52   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.743  | 0.743  | 0.743  |  |  |                   |
|                  | Degree of Saturation                   |          | 88     | 88     | 88     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 25     | 50     | 100    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.068 | -0.174 | -0.398 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.738  | 0.731  | 0.716  |  |  |                   |
| After test       | Final Moisture content                 |          | 25.1   | 24.5   | 25.0   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 2.50    | 4.00    | 10.00   |  |  |  | mm     |
|                      | Shear stress                                | 14.5    | 38.2    | 66.8    |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.01   | -0.16   | -0.84   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 0.2 ]    | 0      |
| Ø'                 | degrees | [ 34.0 ]   | 34.5   |

#### Residual strength, (x)

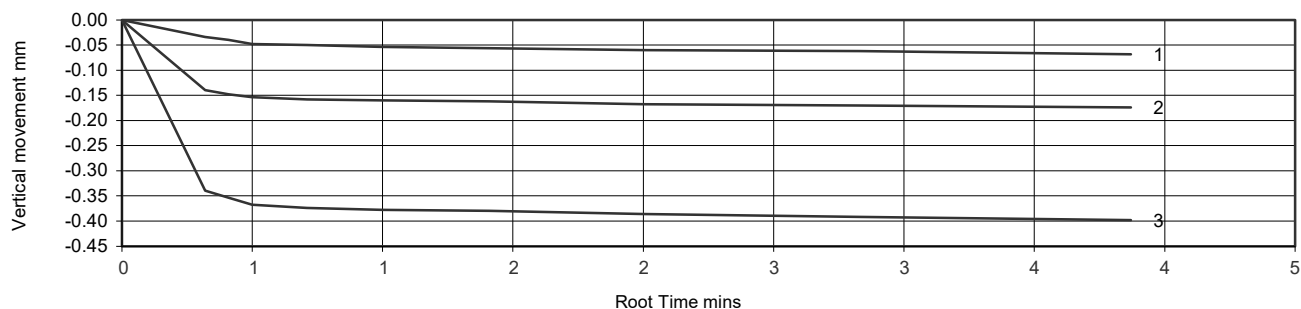
|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

|         |
|---------|
| Remarks |
|         |

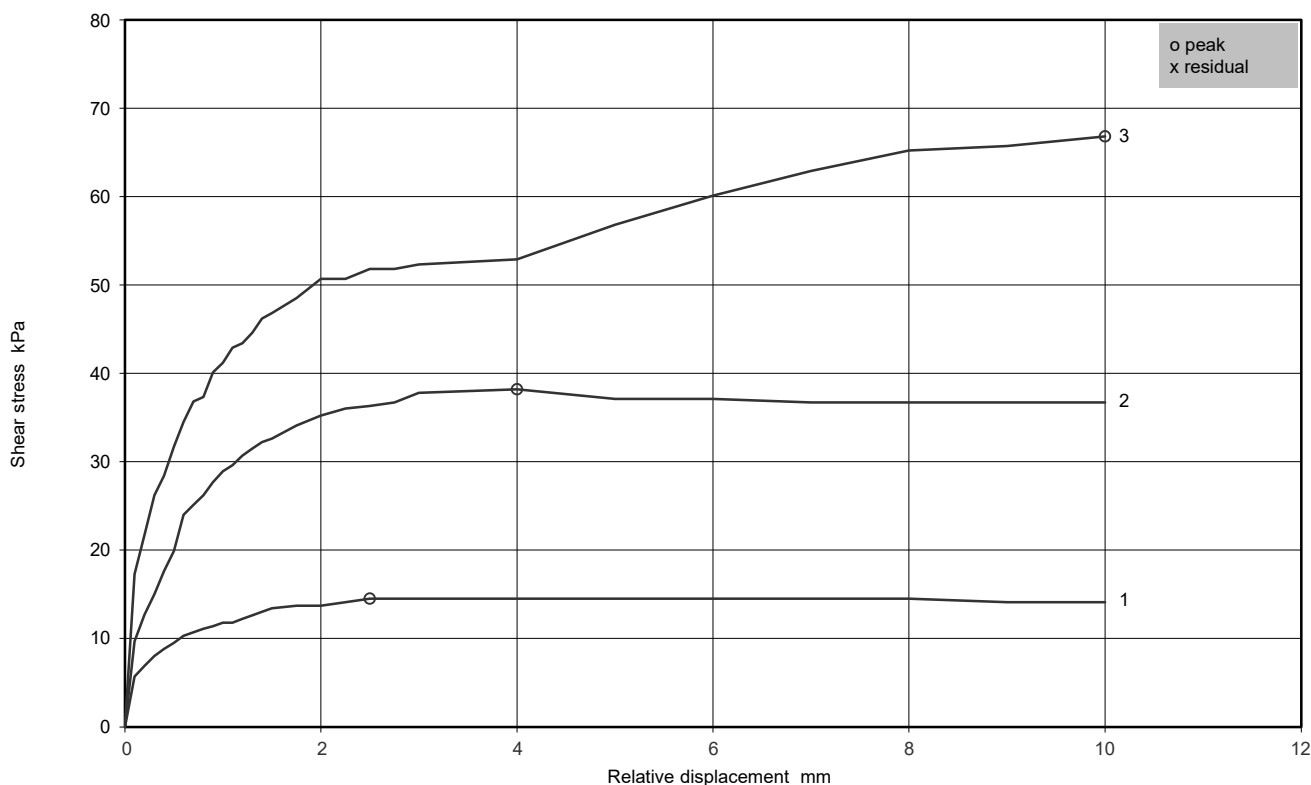
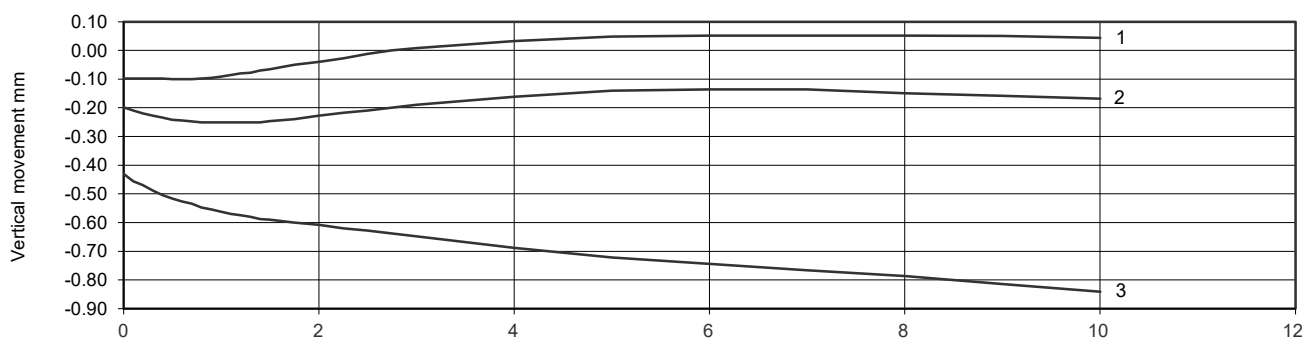
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|  | 26/02/2026   |                                                                                      |                                                                                       |     |

|                                                                                      |                            |                |  |   |                  |                |
|--------------------------------------------------------------------------------------|----------------------------|----------------|--|---|------------------|----------------|
| <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                            |                |  |   | Job Ref          | J331504        |
|                                                                                      |                            |                |  |   | Borehole/Pit No. | BH-102         |
| Project Name                                                                         | Marine GI - Ardersier Port |                |  |   | Sample No.       |                |
| Soil Description                                                                     | Grey and brown silty SAND  |                |  |   | Depth m          | 3.5            |
| Specimen Reference                                                                   |                            | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description                                                                 |                            |                |  |   | KeyLAB ID        | TTLP2026010630 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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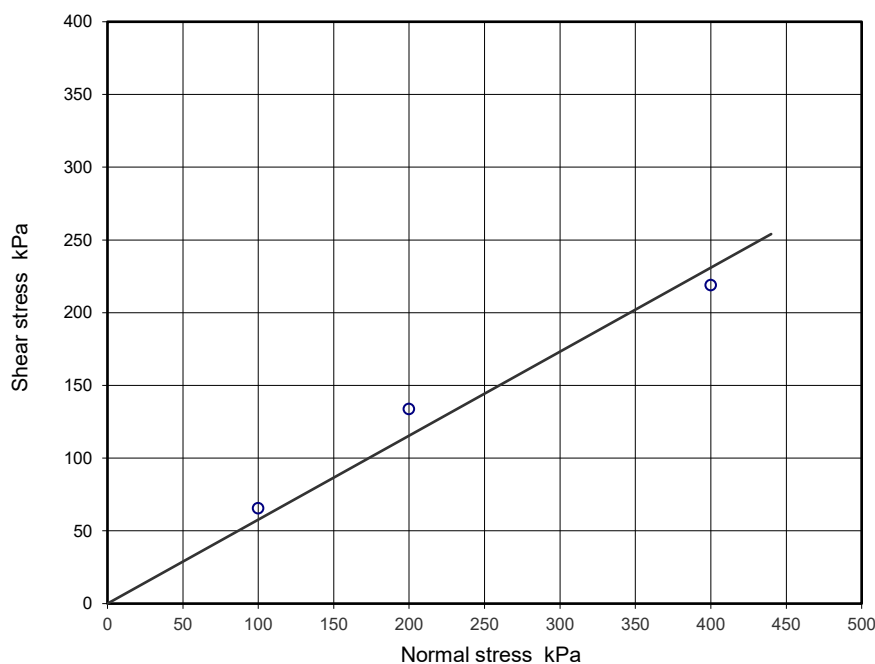
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-102         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 7              |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010632 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     |                |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.1   | 26.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.78   | 1.78   | 1.78   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 22.5   | 22.5   | 22.5   |  |  | %                 |
|                  | Dry density                            |          | 1.45   | 1.45   | 1.45   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.828  | 0.828  | 0.828  |  |  |                   |
|                  | Degree of Saturation                   |          | 72     | 72     | 72     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 100    | 200    | 400    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.328 | -0.718 | -0.832 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.805  | 0.778  | 0.770  |  |  |                   |
| After test       | Final Moisture content                 |          | 24.1   | 24.1   | 23.4   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 10.00   | 7.00    | 2.25    |  |  |  | mm     |
|                      | Shear stress                                | 65.6    | 133.8   | 218.9   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.79   | -1.07   | -1.04   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 23 ]     | 0      |
| Ø'                 | degrees | [ 26.5 ]   | 30     |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

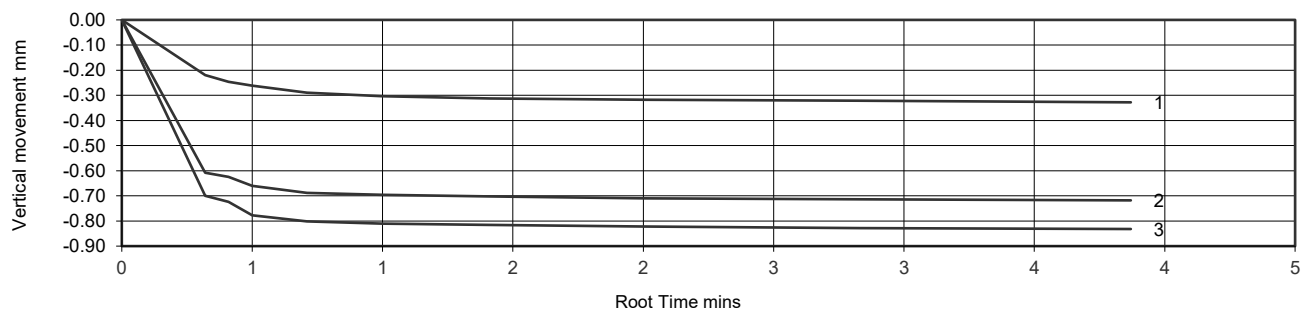
#### Remarks

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|  | Date Printed |   | SSB |
|  | 04/03/2026   |                                                                                                                                                                            |     |

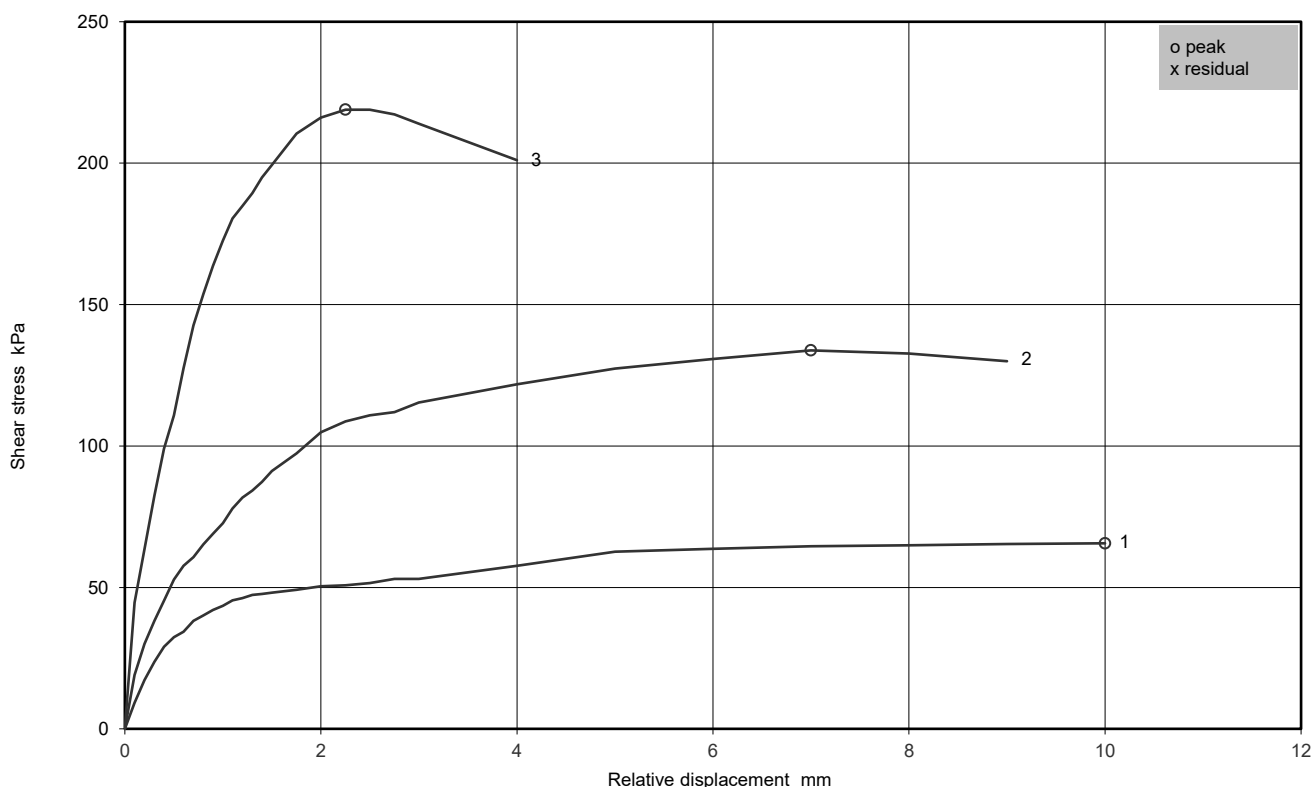
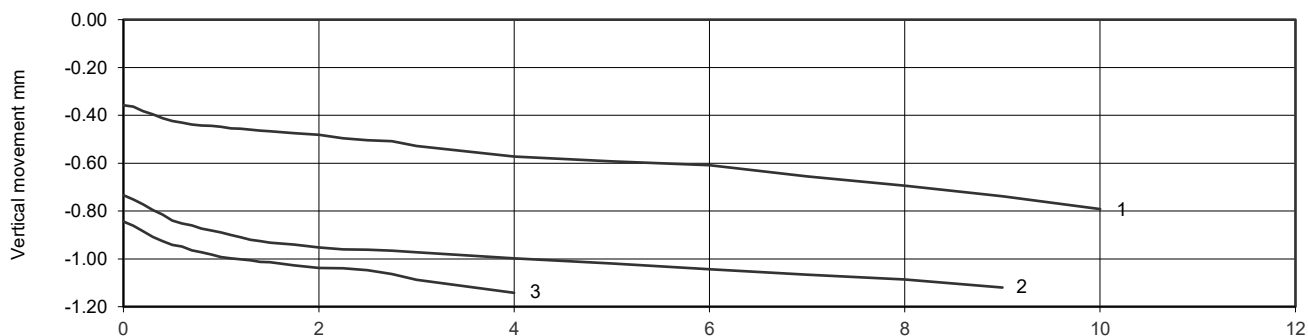


|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH-102         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 7              |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010632 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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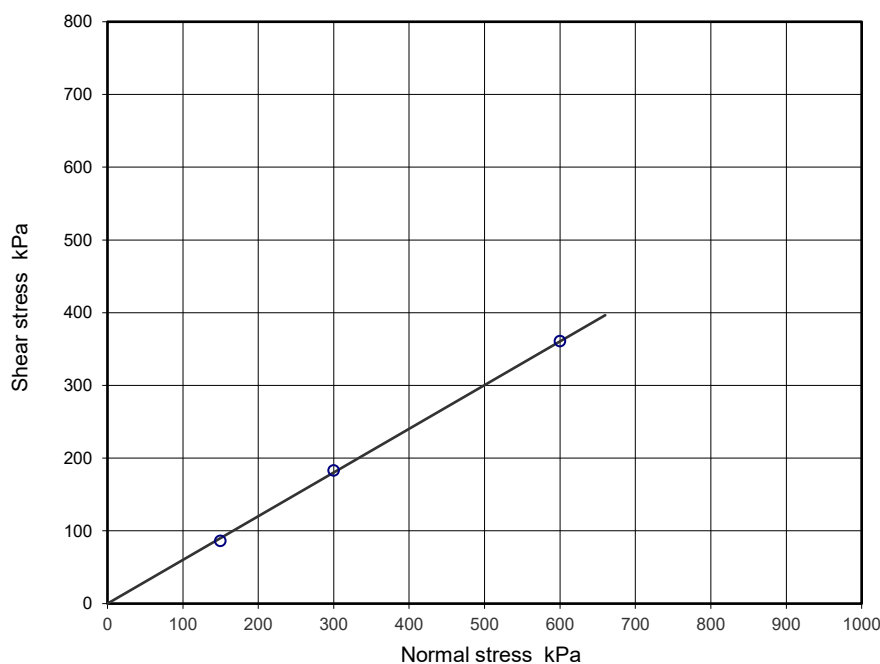
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| QQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-102         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 12             |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010633 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     |                |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 26.3   | 26.3   | 26.3   |  |  | mm    |
|                  | Bulk Density                           |          | 1.80   | 1.80   | 1.80   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 24.1   | 24.1   | 24.1   |  |  | %     |
|                  | Dry density                            |          | 1.45   | 1.45   | 1.45   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.828  | 0.828  | 0.828  |  |  |       |
|                  | Degree of Saturation                   |          | 77     | 77     | 77     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 150    | 300    | 600    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.298 | -0.482 | -0.800 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.807  | 0.794  | 0.772  |  |  |       |
| After test       | Final Moisture content                 |          | 35.0   | 26.9   | 26.2   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 9.00    | 8.00    | 4.00    |  |  |  | mm     |
|                      | Shear stress                                | 86.2    | 182.8   | 360.8   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.53   | -0.68   | -0.94   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ -2.8 ]   | 0      |
| Ø'                 | degrees | [ 31.5 ]   | 31     |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

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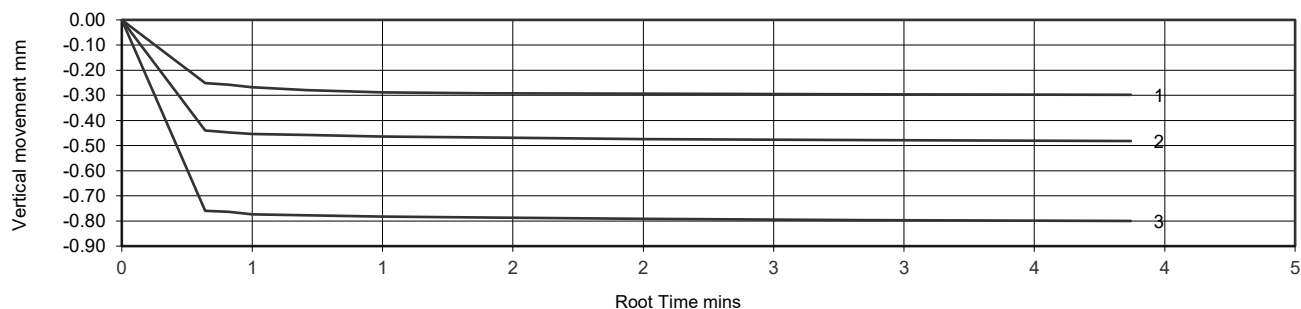
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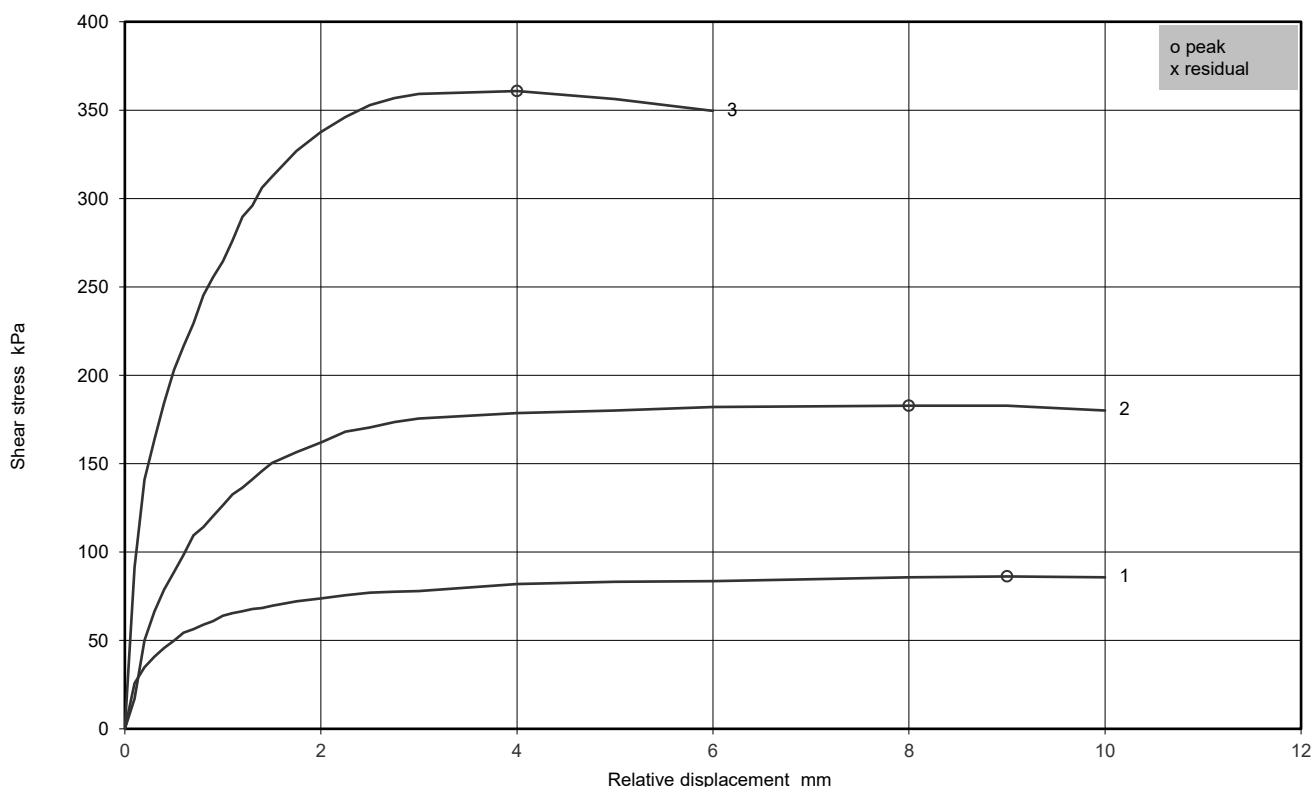
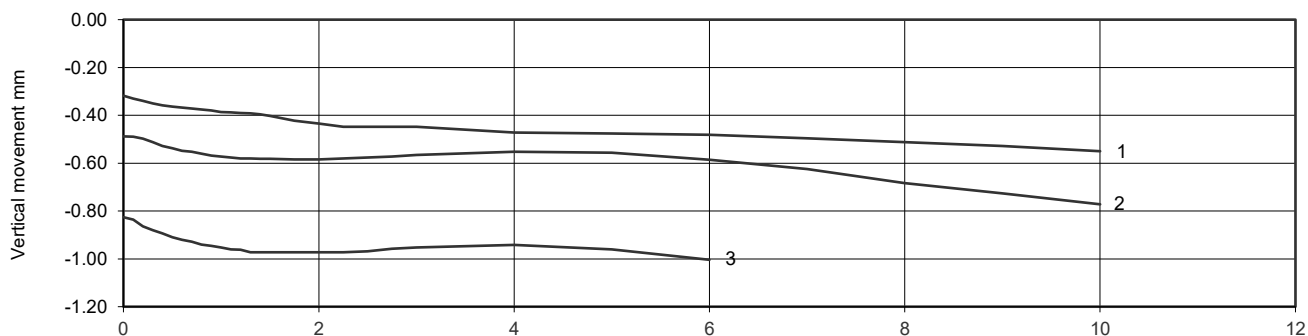
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|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH-102         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 12             |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010633 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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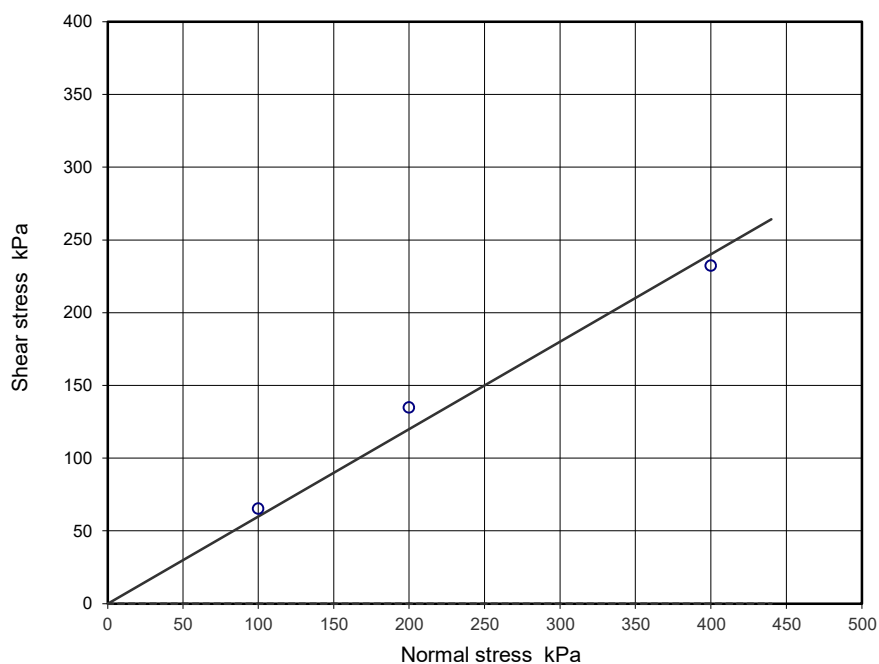
|                                 |                                                                                      |                |   |                  |                |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331545        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH106          |
| Project Name                    | Ardersier Port                                                                       |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 7.91           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026021610 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 20/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.0   | 26.0   |  |  | mm                |
|                  | Bulk Density                           |          | 1.83   | 1.83   | 1.83   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 22.1   | 22.1   | 22.1   |  |  | %                 |
|                  | Dry density                            |          | 1.50   | 1.50   | 1.50   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.767  | 0.767  | 0.767  |  |  |                   |
|                  | Degree of Saturation                   |          | 76     | 76     | 76     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 100    | 200    | 400    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.312 | -0.528 | -0.724 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.746  | 0.731  | 0.718  |  |  |                   |
| After test       | Final Moisture content                 |          | 21.1   | 21.5   | 22.6   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 2.75    | 4.00    | 2.75    |  |  |  | mm     |
|                      | Shear stress                                | 65.3    | 134.9   | 232.2   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.19   | -0.56   | -0.82   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 17 ]     | 0      |
| Ø'                 | degrees | [ 28.5 ]   | 31     |

#### Residual strength, (x)

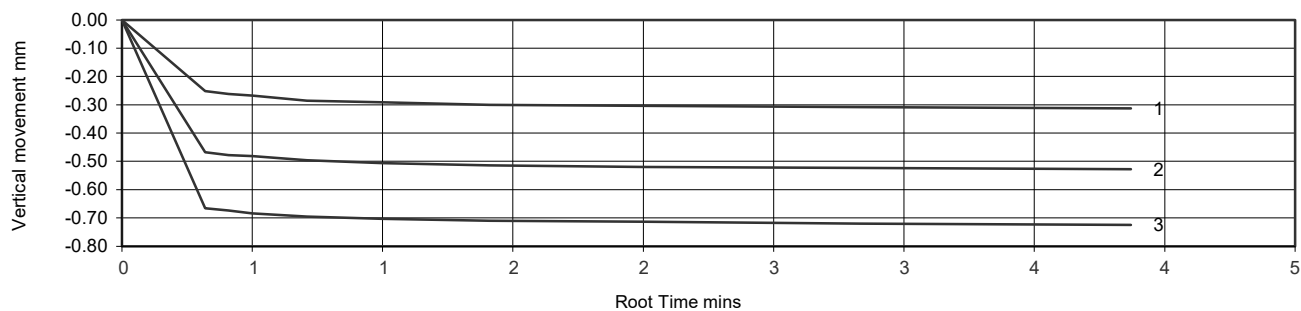
|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

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| Remarks |
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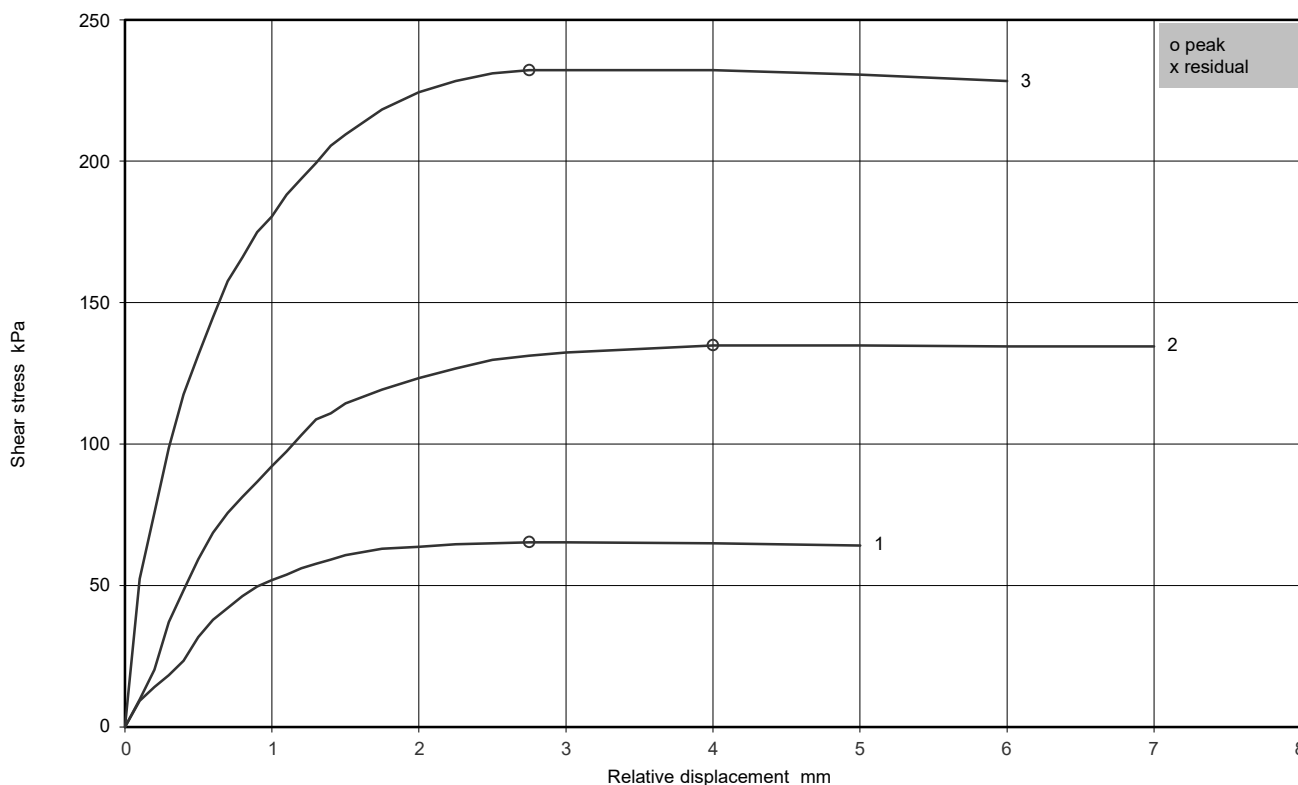
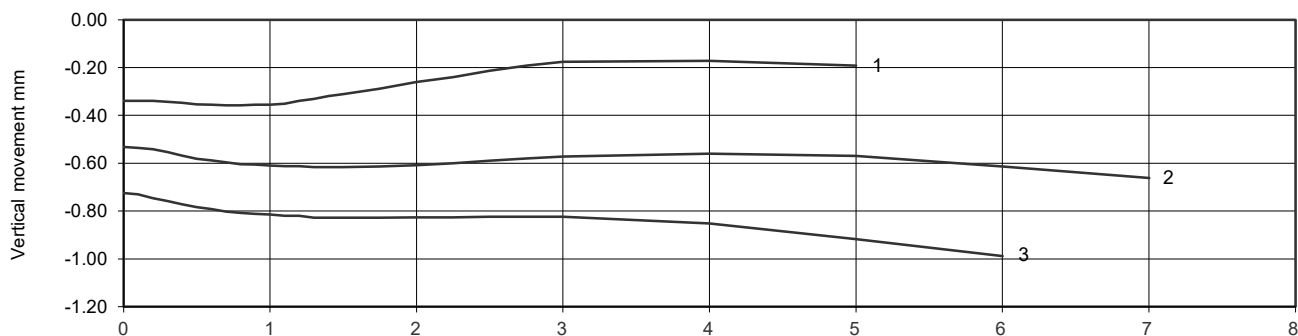
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|--|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
|  | Date Printed |  |  | SSB |
|  | 23/02/2026   |                                                                                      |                                                                                       |     |

|                      |                                                                              |                |  |   |                  |                |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331545        |
|                      |                                                                              |                |  |   | Borehole/Pit No. | BH106          |
| Project Name         | Ardersier Port                                                               |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                   |                |  |   | Depth m          | 7.91           |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP2026021610 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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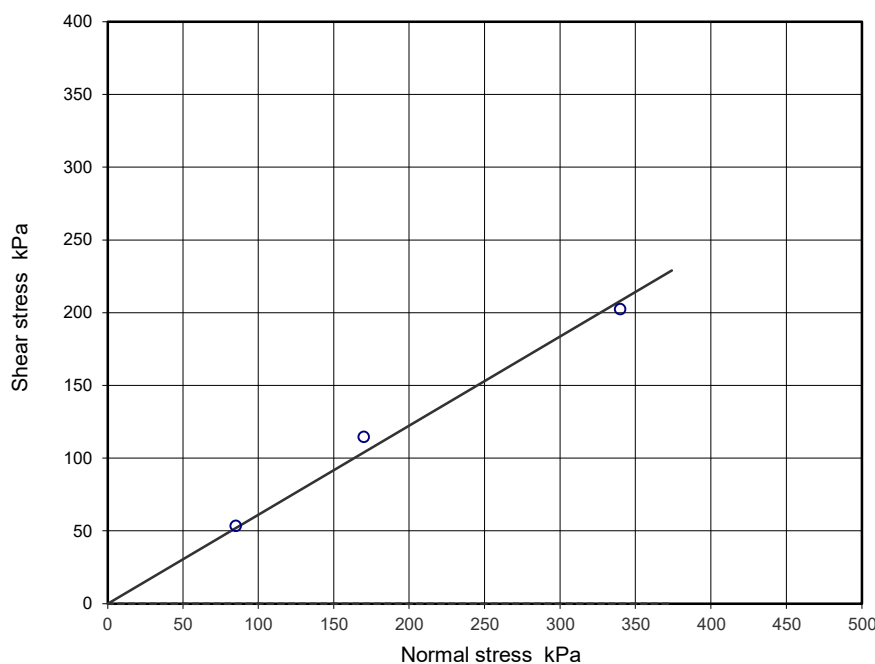
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331545       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH107         |
| Project Name                    | Ardersier Port                                                                       |                |   | Sample No.       |               |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 5.5           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202602169 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 20/02/2026    |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.3   | 26.3   |  |  | mm                |
|                  | Bulk Density                           |          | 1.76   | 1.76   | 1.76   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 21.1   | 21.1   | 21.1   |  |  | %                 |
|                  | Dry density                            |          | 1.45   | 1.45   | 1.45   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.828  | 0.828  | 0.828  |  |  |                   |
|                  | Degree of Saturation                   |          | 68     | 68     | 68     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 85     | 170    | 340    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.288 | -0.558 | -0.828 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.808  | 0.789  | 0.770  |  |  |                   |
| After test       | Final Moisture content                 |          | 24.2   | 23.9   | 23.0   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 10.00   | 10.00   | 10.00   |  |  |  | mm     |
|                      | Shear stress                                | 53.3    | 114.6   | 202.4   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.84   | -0.77   | -1.33   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 9.4 ]    | 0      |
| Ø'                 | degrees | [ 30.0 ]   | 31.5   |

#### Residual strength, (x)

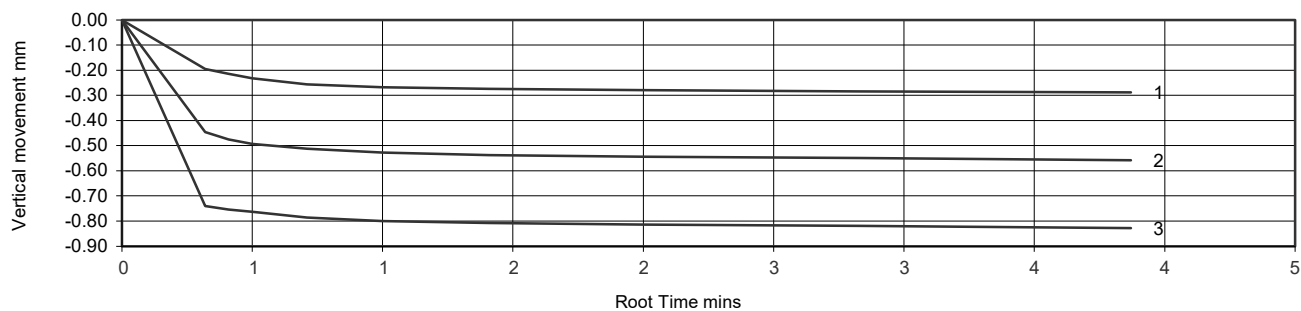
|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

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| Remarks |
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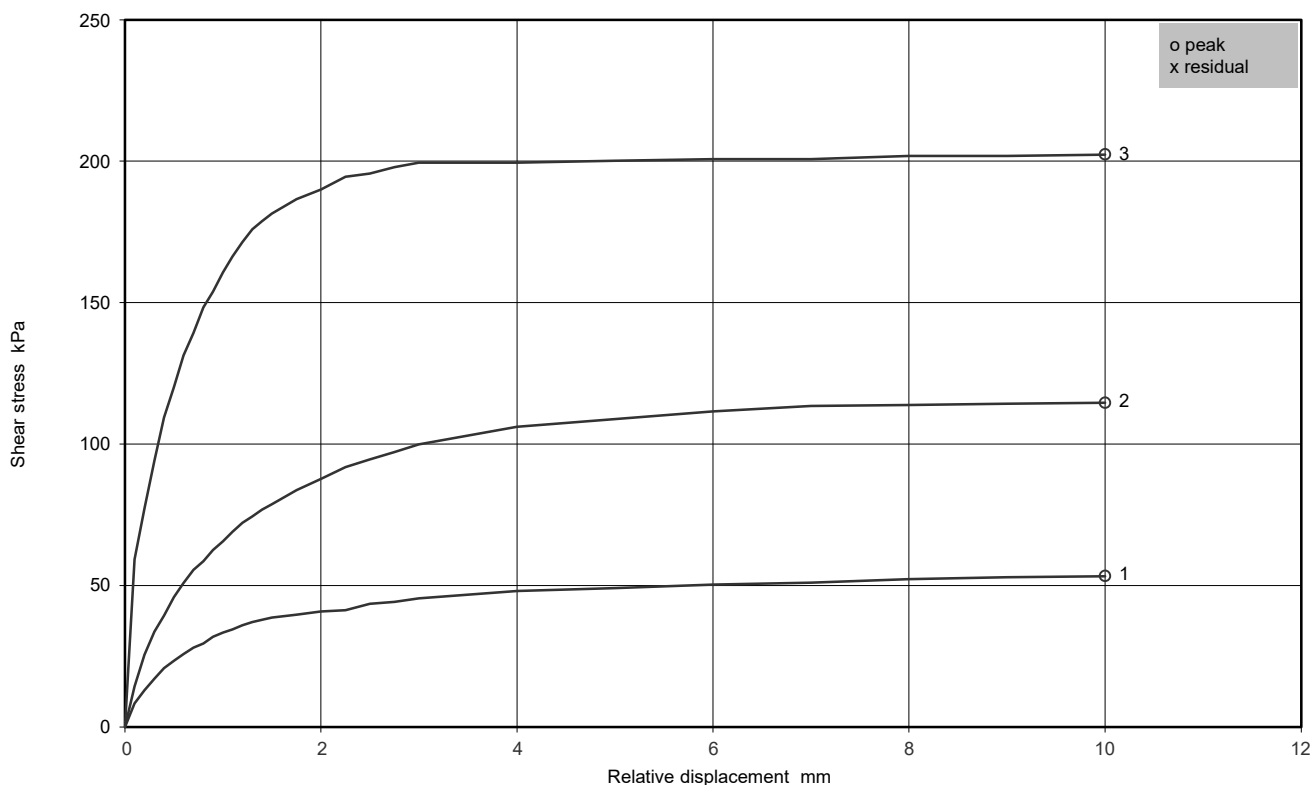
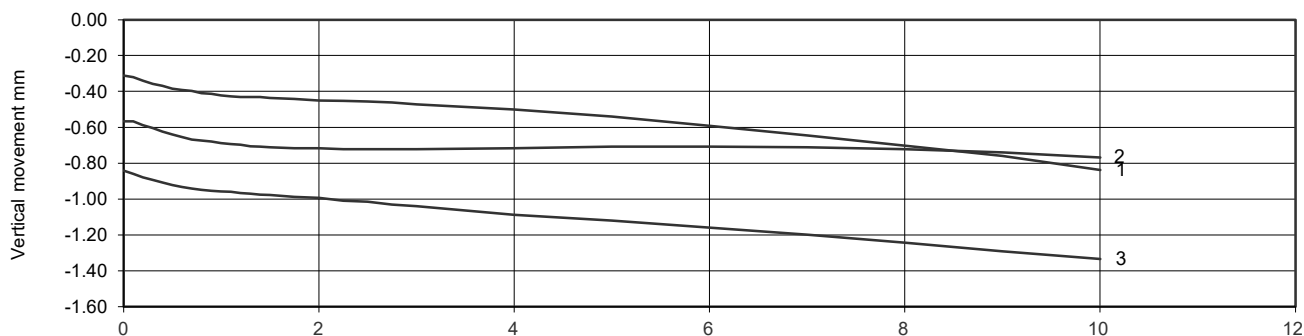
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|--|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
|  | Date Printed |  |  | SSB |
|  | 23/02/2026   |                                                                                      |                                                                                       |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331545       |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH107         |
| Project Name         | Ardersier Port                                                            |                |  |   | Sample No.       |               |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 5.5           |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP202602169 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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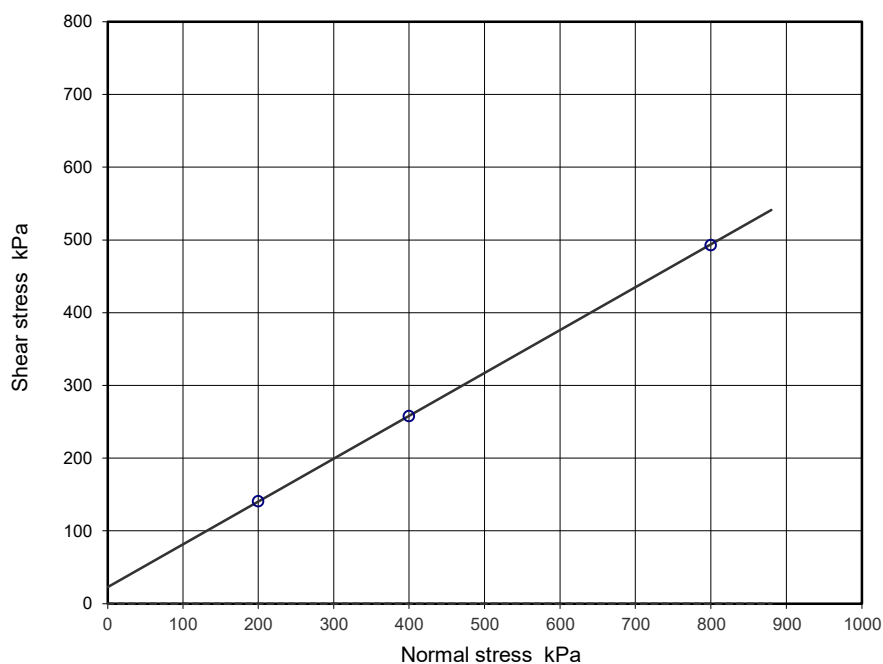
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J326001        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-108         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Grey brown SAND                                                                      |                |   | Depth m          | 18.7           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2025112043 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 19/11/2025     |

Preparation Details -2mm material. Recompacted to 50% of the relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1          | 2          | 3          |  |  |                   |
|------------------|----------------------------------------|----------|------------|------------|------------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1       | 26.0       | 26.1       |  |  | mm                |
|                  | Bulk Density                           |          | 1.61       | 1.61       | 1.61       |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 20.4       | 20.4       | 20.4       |  |  | %                 |
|                  | Dry density                            |          | 1.34       | 1.34       | 1.34       |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.978      | 0.978      | 0.978      |  |  |                   |
|                  | Degree of Saturation                   |          | 55         | 55         | 55         |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | <b>200</b> | <b>400</b> | <b>800</b> |  |  | kPa               |
|                  | Change in height during consolidation* |          | -1.028     | -1.266     | -2.012     |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.900      | 0.882      | 0.825      |  |  |                   |
| After test       | Final Moisture content                 |          | 22.7       | 22.4       | 22.0       |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 10.00   | 8.00    | 5.00    |  |  |  | mm     |
|                      | Shear stress                                | 140.8   | 257.8   | 492.9   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.93   | -1.95   | -2.58   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | 23         | -      |
| Ø'                 | degrees | 30.5       | -      |

| Residual strength, (x) |         |              |   |
|------------------------|---------|--------------|---|
| c' <sub>R</sub>        | kPa     | not assessed | - |
| Ø' <sub>R</sub>        | degrees | not assessed | - |

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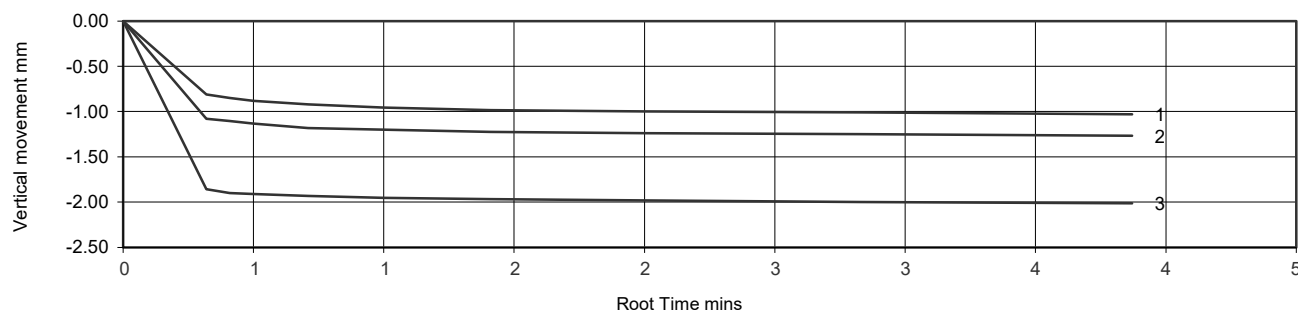


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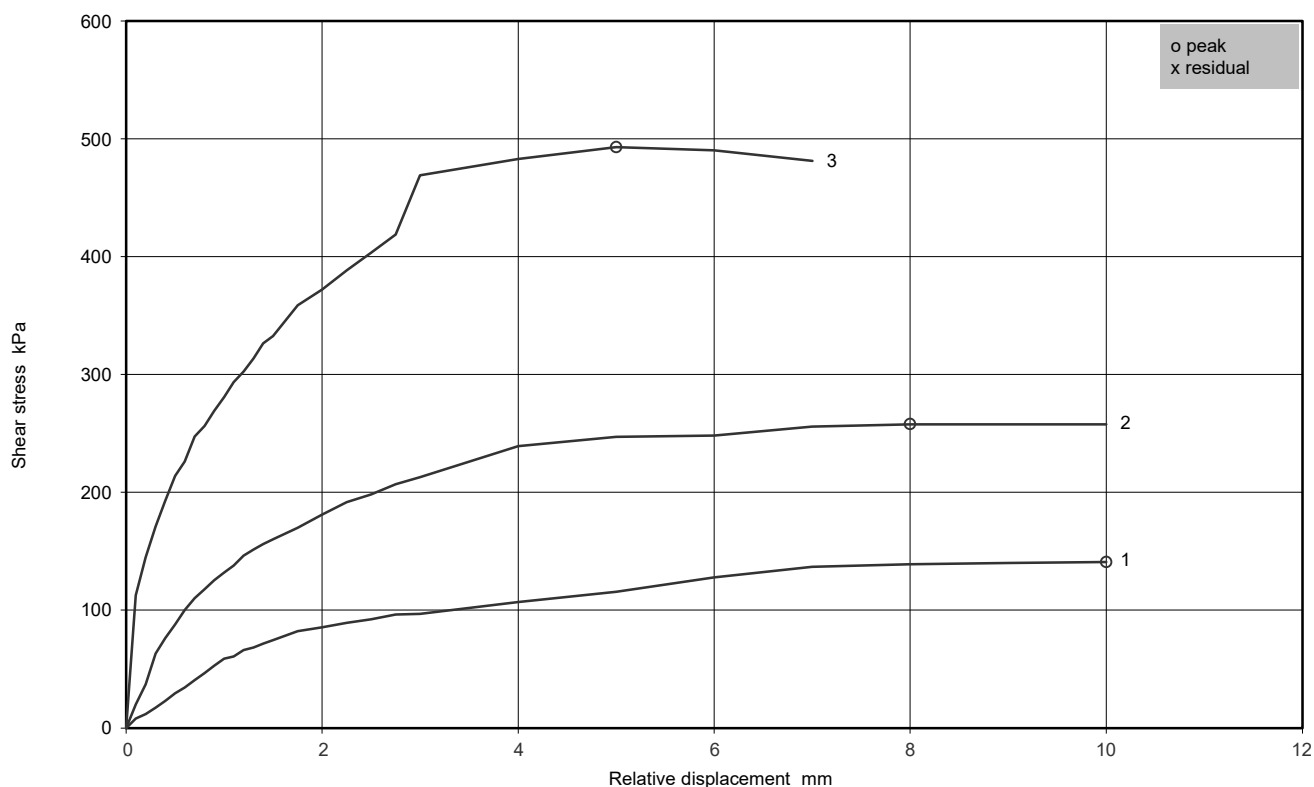
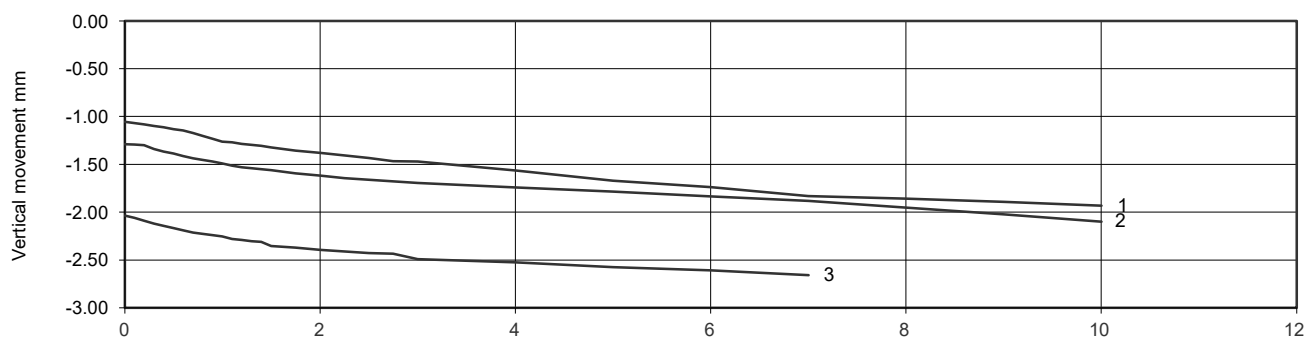


|                                                                                      |                            |                |  |   |                  |                |
|--------------------------------------------------------------------------------------|----------------------------|----------------|--|---|------------------|----------------|
| <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                            |                |  |   | Job Ref          | J326001        |
|                                                                                      |                            |                |  |   | Borehole/Pit No. | BH-108         |
| Project Name                                                                         | Marine GI - Ardersier Port |                |  |   | Sample No.       |                |
| Soil Description                                                                     | Grey brown SAND            |                |  |   | Depth m          | 18.7           |
| Specimen Reference                                                                   |                            | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description                                                                 |                            |                |  |   | KeyLAB ID        | TTLP2025112043 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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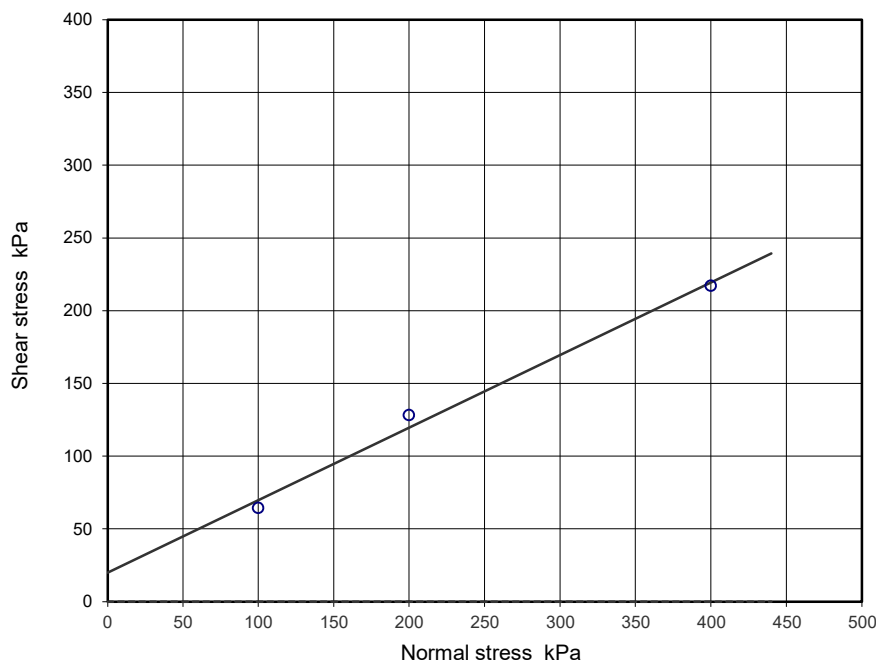
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J326001        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-108         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Grey brown SAND                                                                      |                |   | Depth m          | 11.2           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2025112042 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 18/11/2025     |

Preparation Details -2mm material. Recompacted to 70% of the relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.1   | 26.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.72   | 1.72   | 1.72   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 20.8   | 20.8   | 20.8   |  |  | %                 |
|                  | Dry density                            |          | 1.42   | 1.42   | 1.42   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.866  | 0.866  | 0.866  |  |  |                   |
|                  | Degree of Saturation                   |          | 64     | 64     | 64     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 100    | 200    | 400    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.490 | -0.492 | -0.832 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.831  | 0.831  | 0.806  |  |  |                   |
| After test       | Final Moisture content                 |          | 23.4   | 23.2   | 22.9   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 6.00    | 5.00    | 4.00    |  |  |  | mm     |
|                      | Shear stress                                | 64.5    | 128.2   | 217.2   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.90   | -0.85   | -1.29   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | 20         | -      |
| Ø'                 | degrees | 26.5       | -      |

| Residual strength, (x) |         |              |   |
|------------------------|---------|--------------|---|
| c' <sub>R</sub>        | kPa     | not assessed | - |
| Ø' <sub>R</sub>        | degrees | not assessed | - |

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| Remarks |
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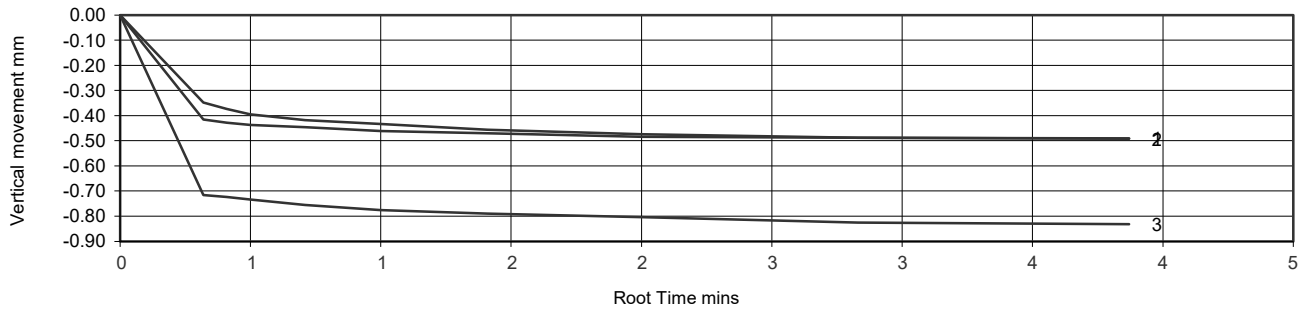
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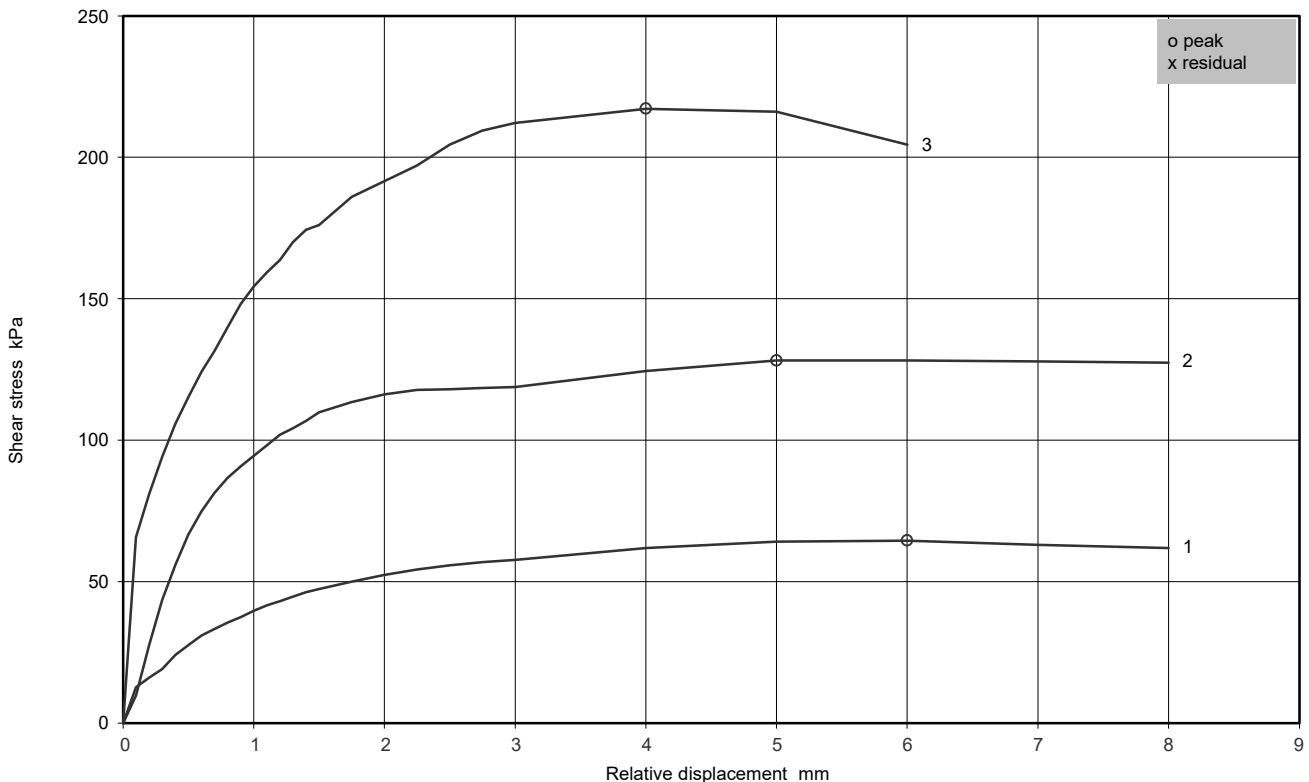
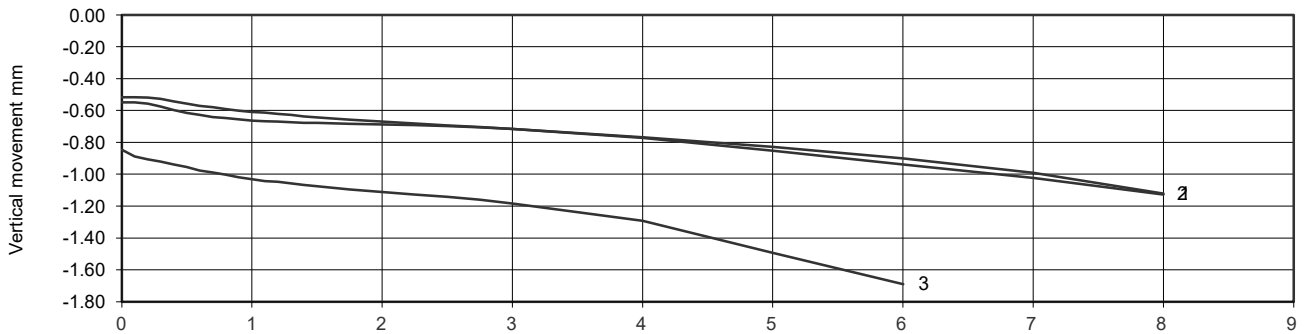
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|                                                                                      |                            |                |   |                  |                |
|--------------------------------------------------------------------------------------|----------------------------|----------------|---|------------------|----------------|
| <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                            |                |   | Job Ref          | J326001        |
|                                                                                      |                            |                |   | Borehole/Pit No. | BH-108         |
| Project Name                                                                         | Marine GI - Ardersier Port |                |   | Sample No.       |                |
| Soil Description                                                                     | Grey brown SAND            |                |   | Depth m          | 11.2           |
| Specimen Reference                                                                   |                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description                                                                 |                            |                |   | KeyLAB ID        | TTLP2025112042 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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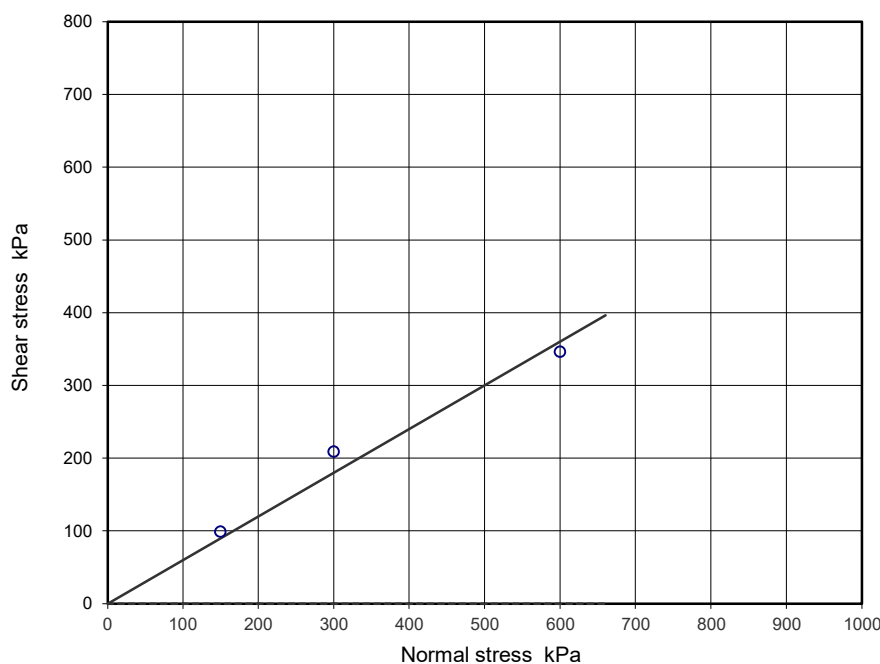
|                                 |                                                                                      |                |   |                  |                |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331545        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH109          |
| Project Name                    | Ardersier Port                                                                       |                |   | Sample No.       |                |
| Soil Description                | Dark brown SAND                                                                      |                |   | Depth m          | 13.2           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026021614 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 20/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.0   | 26.0   |  |  | mm                |
|                  | Bulk Density                           |          | 1.75   | 1.75   | 1.75   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 27.0   | 27.0   | 27.0   |  |  | %                 |
|                  | Dry density                            |          | 1.38   | 1.38   | 1.38   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.920  | 0.920  | 0.920  |  |  |                   |
|                  | Degree of Saturation                   |          | 78     | 78     | 78     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 150    | 300    | 600    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.648 | -0.806 | -0.960 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.872  | 0.861  | 0.849  |  |  |                   |
| After test       | Final Moisture content                 |          | 26.7   | 26.5   | 26.4   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 10.00   | 5.00    | 5.00    |  |  |  | mm     |
|                      | Shear stress                                | 98.8    | 209.1   | 346.4   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.34   | -0.97   | -1.34   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 30 ]     | 0      |
| Ø'                 | degrees | [ 28.0 ]   | 31     |

#### Residual strength, (x)

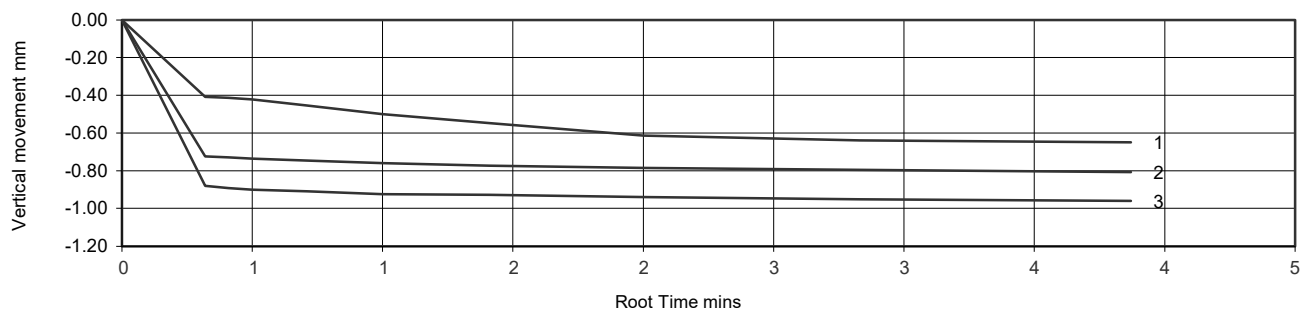
|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

#### Remarks

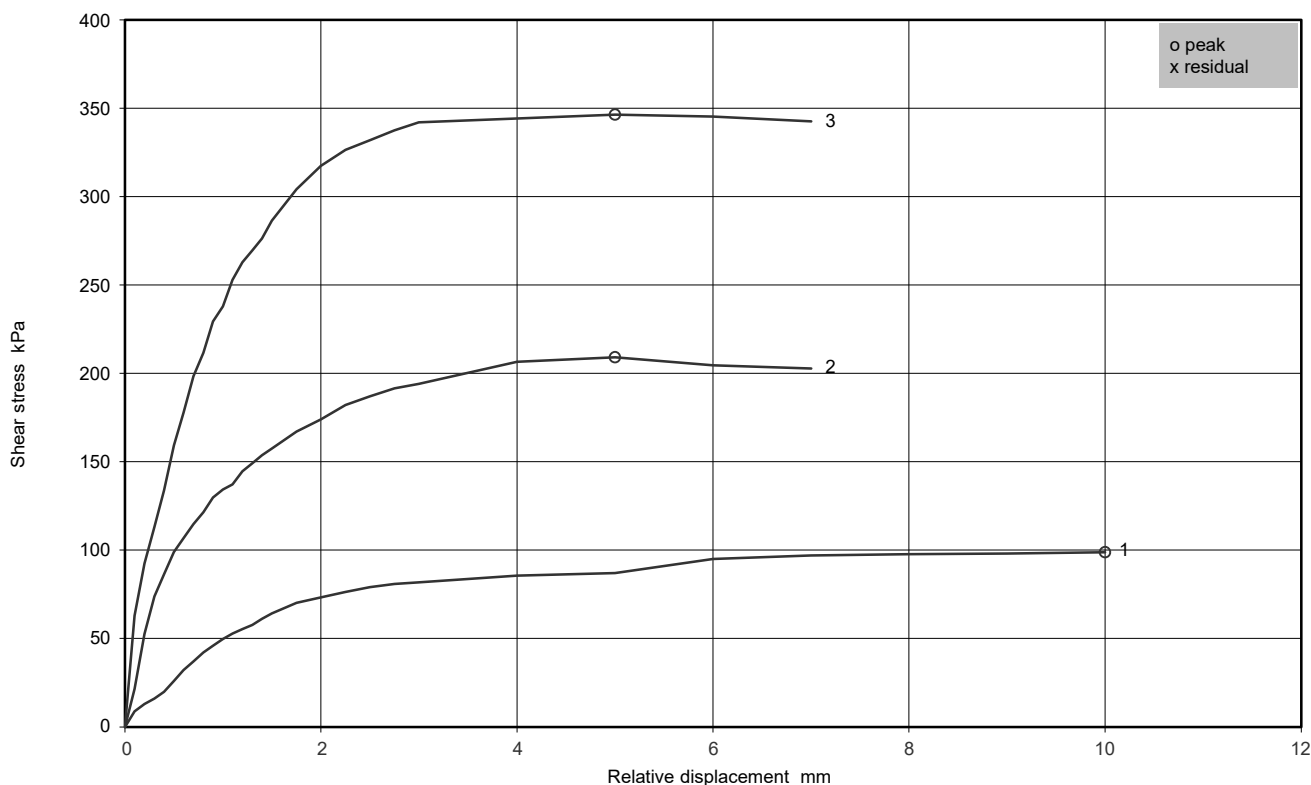
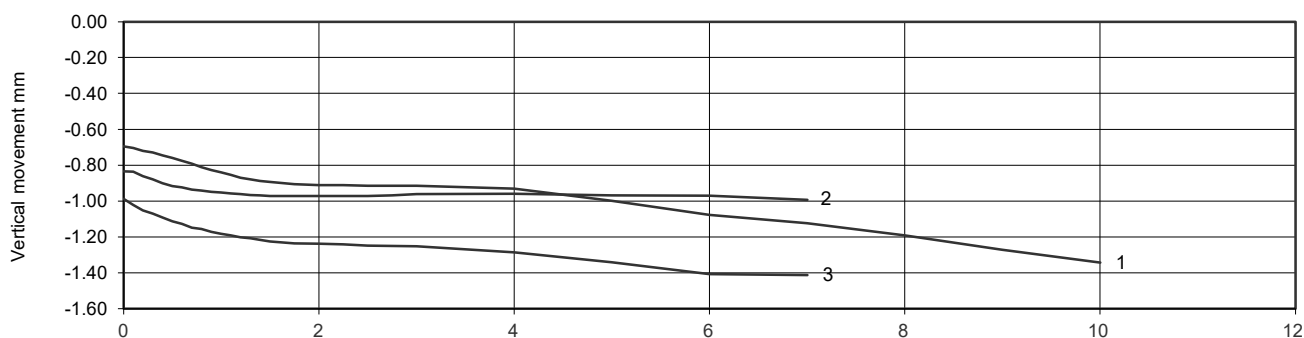
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|--|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
|  | Date Printed |  |  | SSB |
|  | 23/02/2026   |                                                                                      |                                                                                       |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331545        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH109          |
| Project Name         | Ardersier Port                                                            |                |  |   | Sample No.       |                |
| Soil Description     | Dark brown SAND                                                           |                |  |   | Depth m          | 13.2           |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026021614 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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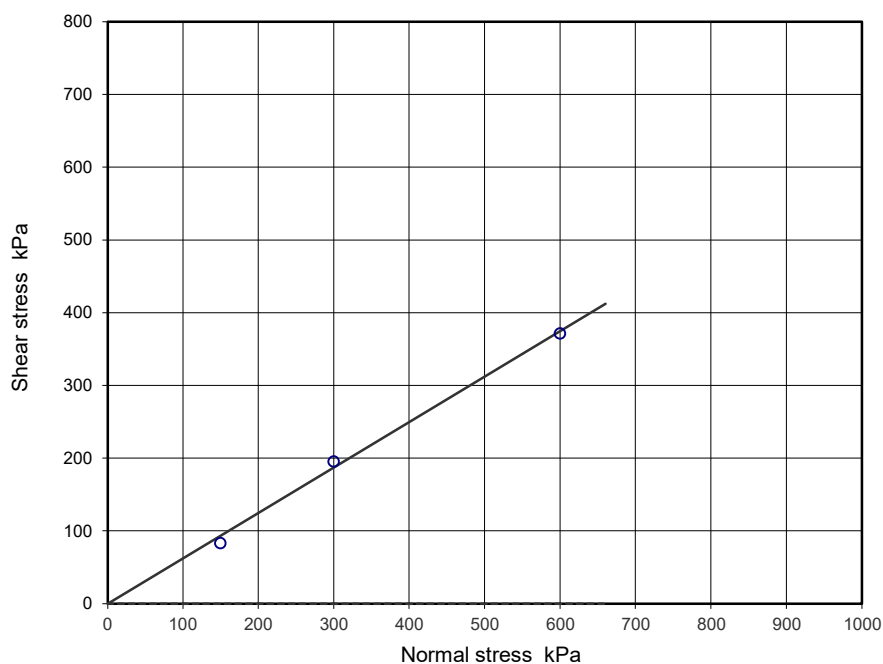
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331545        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH110          |
| Project Name                    | Ardersier Port                                                                       |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 14             |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026021611 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 23/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.1   | 26.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.70   | 1.70   | 1.70   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 21.2   | 21.2   | 21.2   |  |  | %                 |
|                  | Dry density                            |          | 1.40   | 1.40   | 1.40   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.893  | 0.893  | 0.893  |  |  |                   |
|                  | Degree of Saturation                   |          | 63     | 63     | 63     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 150    | 300    | 600    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -1.252 | -1.452 | -1.928 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.802  | 0.788  | 0.753  |  |  |                   |
| After test       | Final Moisture content                 |          | 21.3   | 21.1   | 21.4   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 7.00    | 9.00    | 9.00    |  |  |  | mm     |
|                      | Shear stress                                | 82.8    | 195.2   | 371.5   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -2.06   | -1.93   | -2.89   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ -5.4 ]   | 0      |
| Ø'                 | degrees | [ 32.5 ]   | 32     |

#### Residual strength, (x)

|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

#### Remarks

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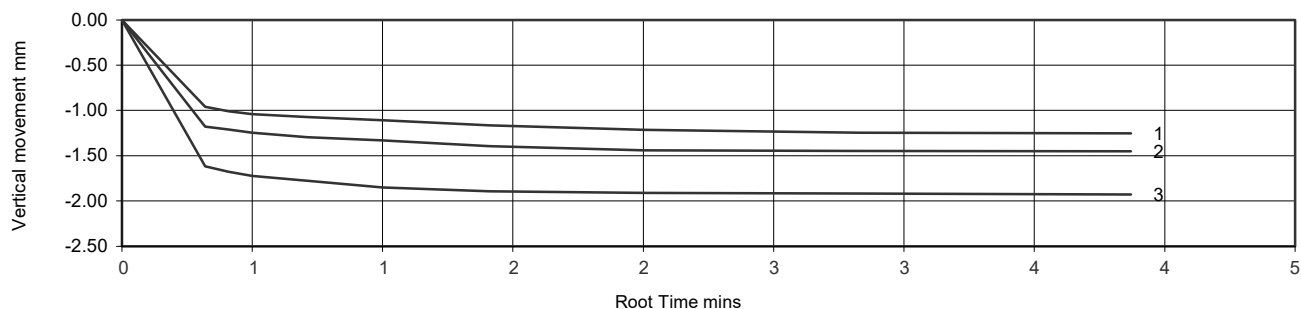
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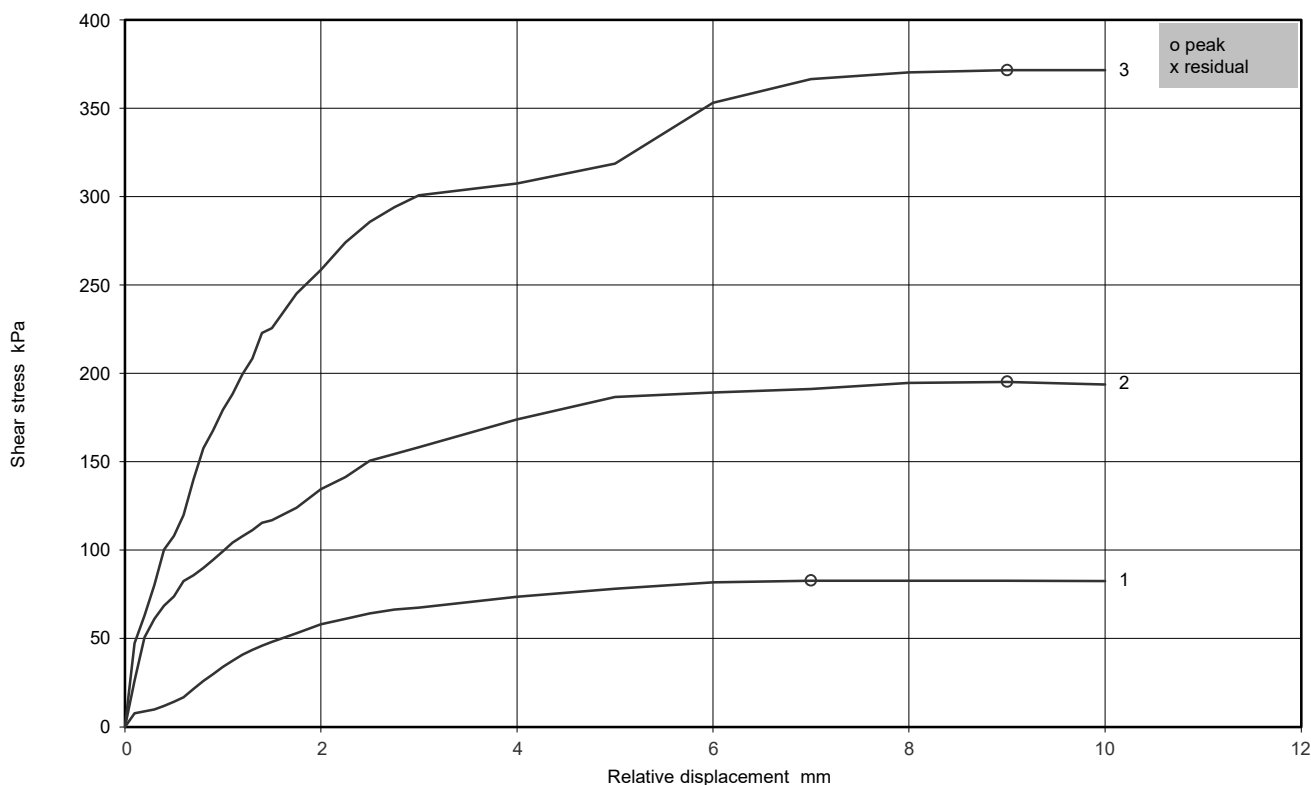
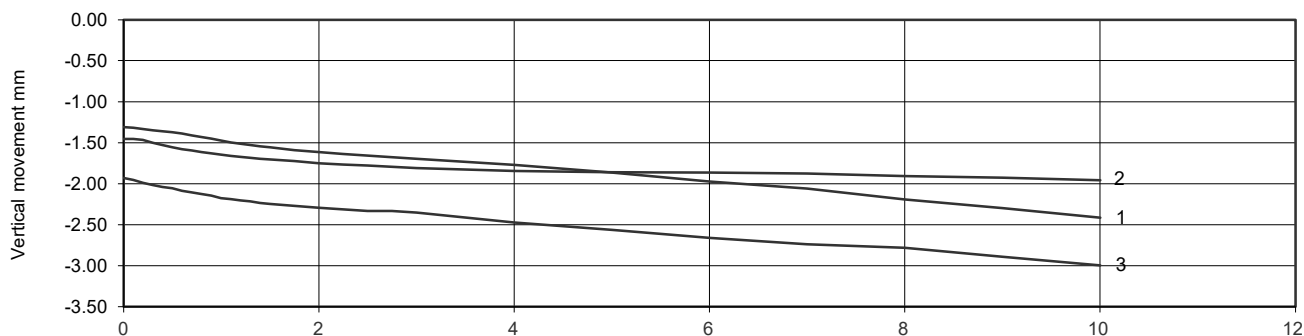
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|                      |                                                                              |                |  |   |                  |                |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331545        |
|                      |                                                                              |                |  |   | Borehole/Pit No. | BH110          |
| Project Name         | Ardersier Port                                                               |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                   |                |  |   | Depth m          | 14             |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP2026021611 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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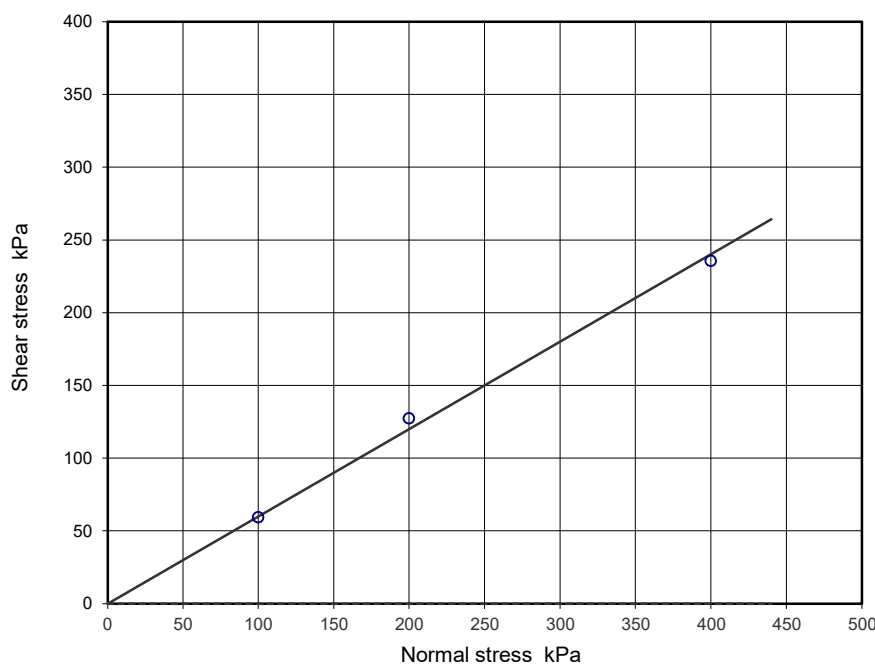
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331545        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH111          |
| Project Name                    | Ardersier Port                                                                       |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 11.7           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026021612 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 23/02/2026     |

Preparation Details -2mm material. Recompact to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.3   | 26.3   |  |  | mm                |
|                  | Bulk Density                           |          | 1.60   | 1.60   | 1.60   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 13.2   | 13.2   | 13.2   |  |  | %                 |
|                  | Dry density                            |          | 1.41   | 1.41   | 1.41   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.879  | 0.879  | 0.879  |  |  |                   |
|                  | Degree of Saturation                   |          | 40     | 40     | 40     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 100    | 200    | 400    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -2.528 | -2.940 | -3.028 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.699  | 0.669  | 0.662  |  |  |                   |
| After test       | Final Moisture content                 |          | 19.3   | 18.0   | 20.3   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 10.00   | 6.00    | 6.00    |  |  |  | mm     |
|                      | Shear stress                                | 59.3    | 127.3   | 235.6   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -3.64   | -3.47   | -3.67   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 5.2 ]    | 0      |
| Ø'                 | degrees | [ 30.0 ]   | 31     |

#### Residual strength, (x)

|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

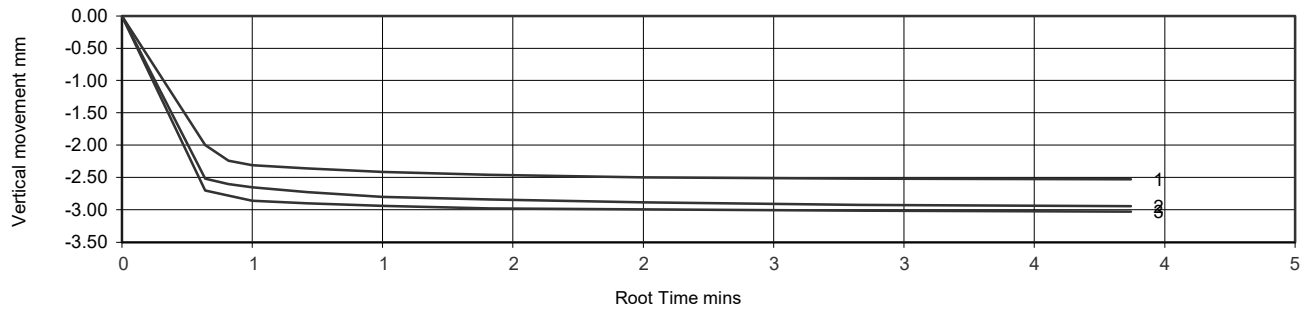
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|  | 24/02/2026   |                                                                                      |                                                                                       |     |

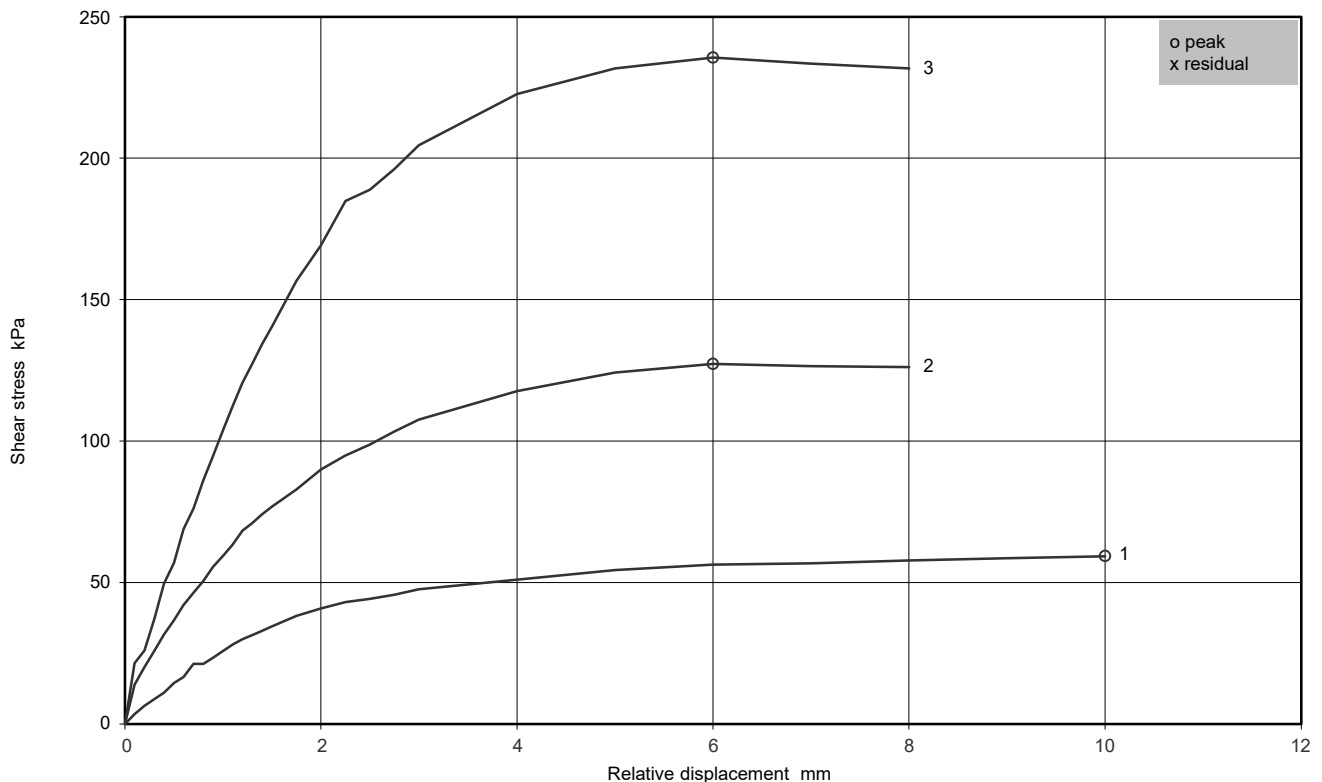
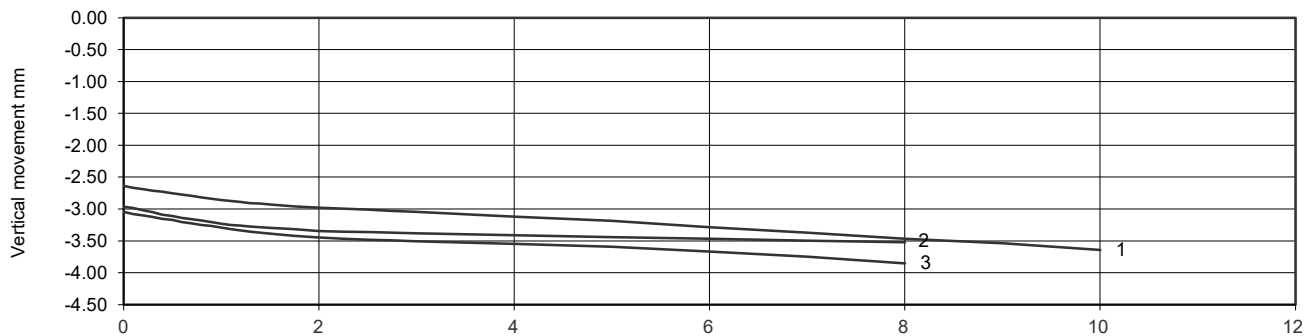


|                      |                                                                              |                |  |   |                  |                |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331545        |
|                      |                                                                              |                |  |   | Borehole/Pit No. | BH111          |
| Project Name         | Ardersier Port                                                               |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                   |                |  |   | Depth m          | 11.7           |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP2026021612 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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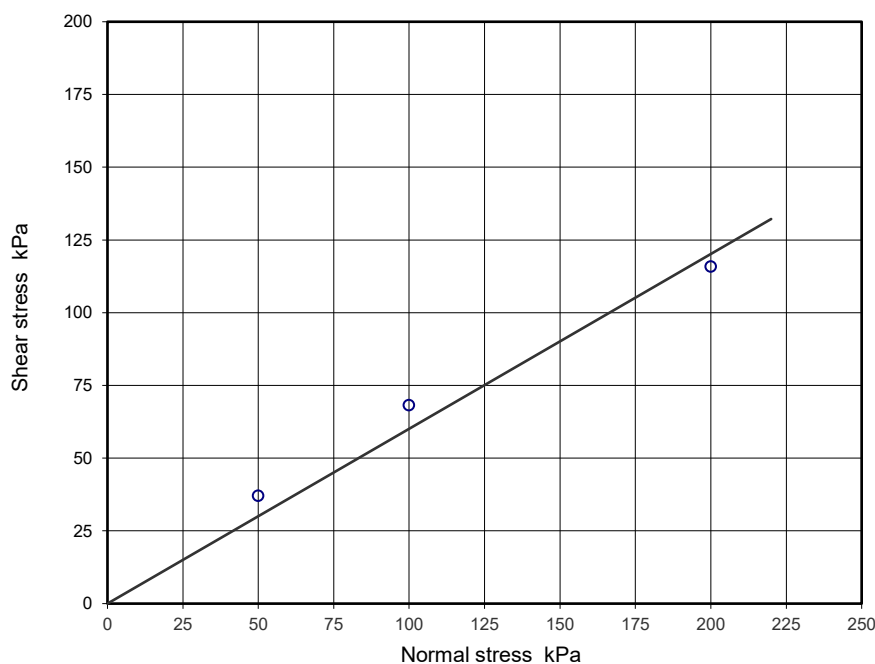
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| QQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-119        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Grey brown SAND                                                                      |                |   | Depth m          | 6.3           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511250 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 25/11/2025    |

Preparation Details -2mm material. Recompactd to 65% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 23.1   | 23.2   | 23.2   |  |  | mm    |
|                  | Bulk Density                           |          | 1.91   | 1.91   | 1.91   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 22.7   | 22.7   | 22.7   |  |  | %     |
|                  | Dry density                            |          | 1.56   | 1.56   | 1.56   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.699  | 0.699  | 0.699  |  |  |       |
|                  | Degree of Saturation                   |          | 86     | 86     | 86     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 50     | 100    | 200    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.218 | -0.960 | -2.882 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.683  | 0.629  | 0.488  |  |  |       |
| After test       | Final Moisture content                 |          | 23.8   | 23.7   | 23.6   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 7.00    | 8.00    | 5.00    |  |  |  | mm     |
|                      | Shear stress                                | 37.0    | 68.2    | 115.8   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.44   | -1.44   | -3.26   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 13 ]     | 0      |
| Ø'                 | degrees | [ 27.5 ]   | 31     |

#### Residual strength, (x)

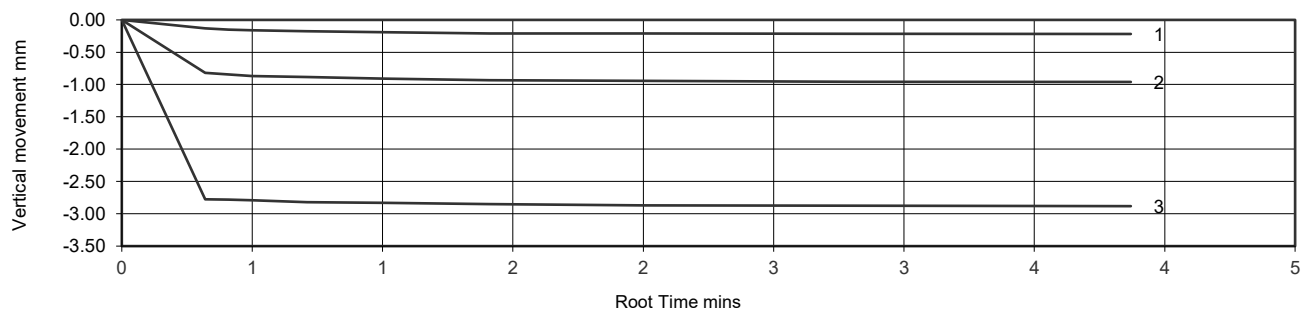
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

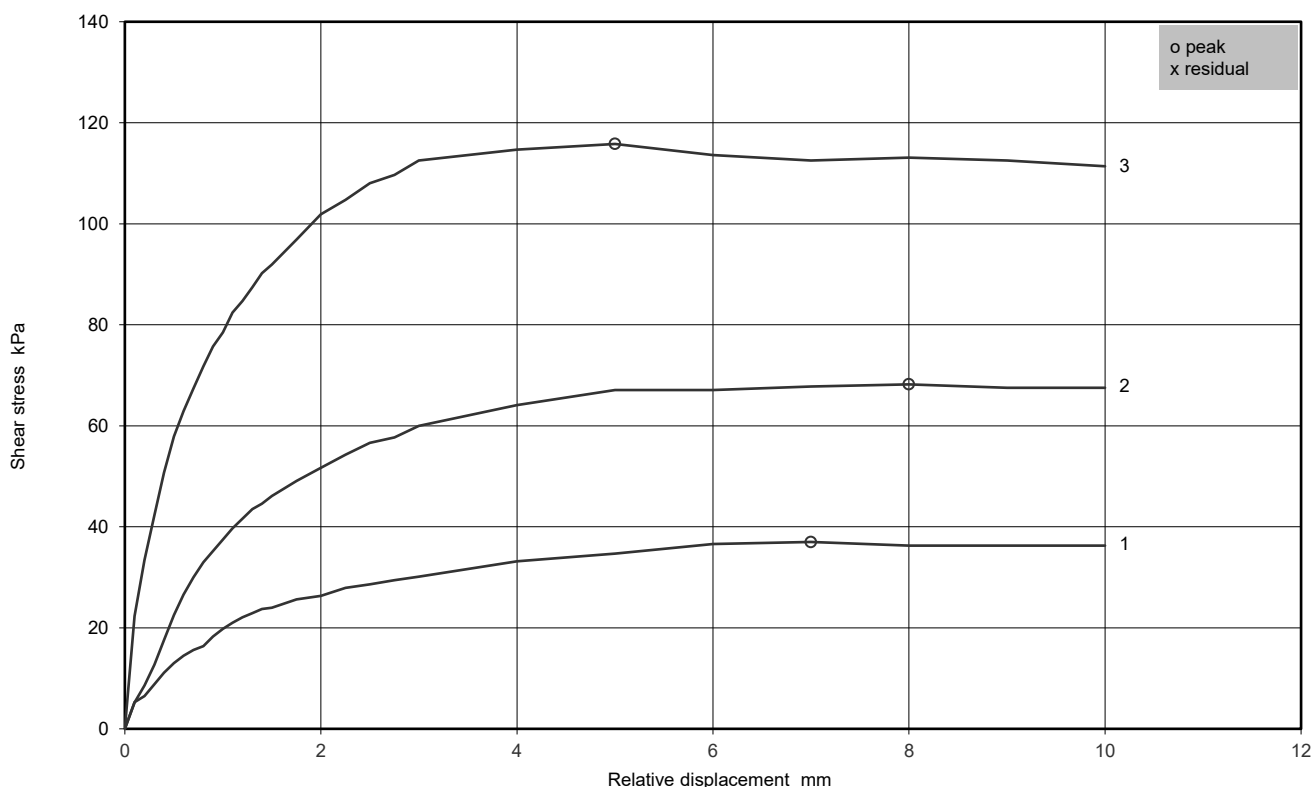
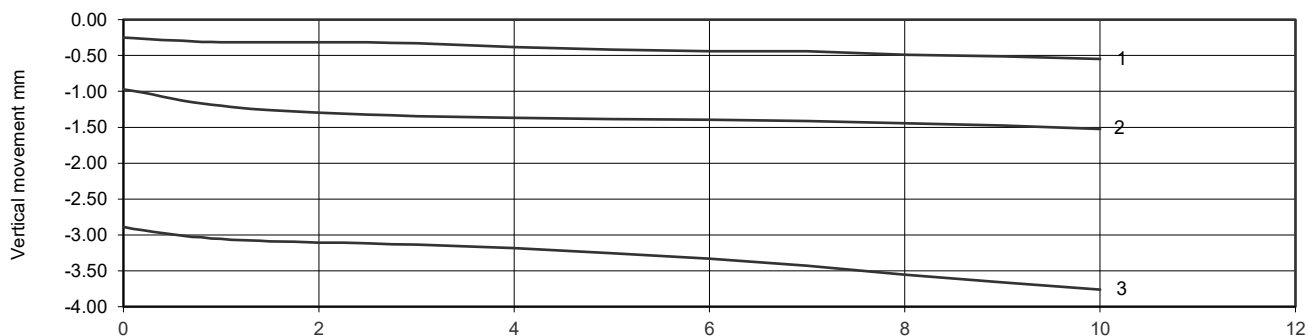
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|  | Date Printed |   | SSB |
|  | 30/12/2025   |                                                                                                                                                                            |     |

|                      |                                                                              |                |  |   |                  |               |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|                      |                                                                              |                |  |   | Borehole/Pit No. | BH-119        |
| Project Name         | Marine GI - Ardersier Port                                                   |                |  |   | Sample No.       |               |
| Soil Description     | Grey brown SAND                                                              |                |  |   | Depth m          | 6.3           |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP202511250 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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30/12/2025



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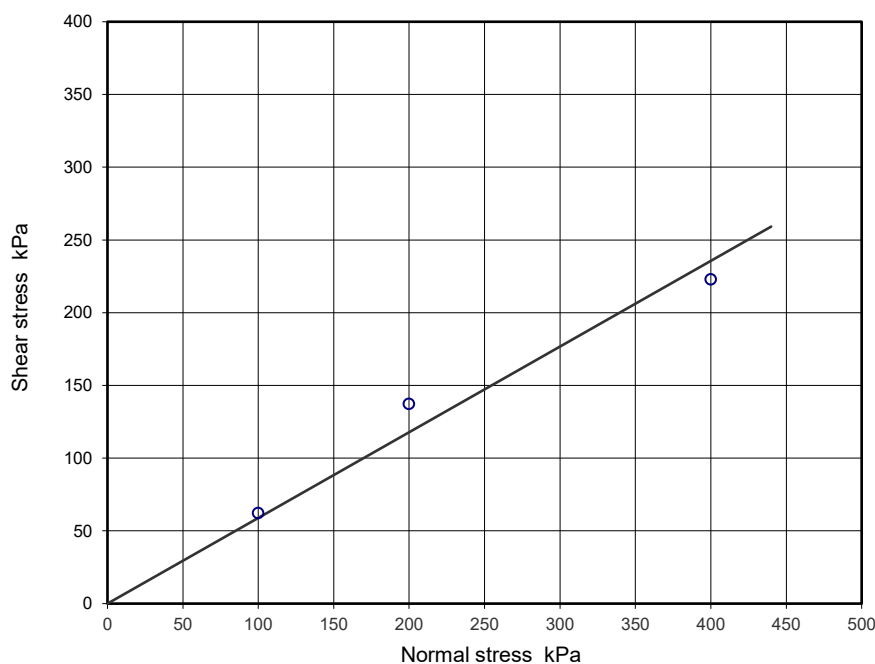
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| QQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-119        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Grey brown SAND                                                                      |                |   | Depth m          | 12.3          |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511251 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 26/11/2025    |

Preparation Details -2mm material. Recompactd to 65% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 23.1   | 23.1   | 23.1   |  |  | mm    |
|                  | Bulk Density                           |          | 1.87   | 1.87   | 1.87   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 19.2   | 19.2   | 19.2   |  |  | %     |
|                  | Dry density                            |          | 1.57   | 1.57   | 1.57   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.688  | 0.688  | 0.688  |  |  |       |
|                  | Degree of Saturation                   |          | 74     | 74     | 74     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 100    | 200    | 400    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.462 | -0.694 | -1.048 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.654  | 0.637  | 0.611  |  |  |       |
| After test       | Final Moisture content                 |          | 22.9   | 22.0   | 22.3   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 9.00    | 8.00    | 4.00    |  |  |  | mm     |
|                      | Shear stress                                | 62.2    | 137.2   | 222.8   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.29   | -1.31   | -1.40   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 19 ]     | 0      |
| Ø'                 | degrees | [ 27.5 ]   | 30.5   |

#### Residual strength, (x)

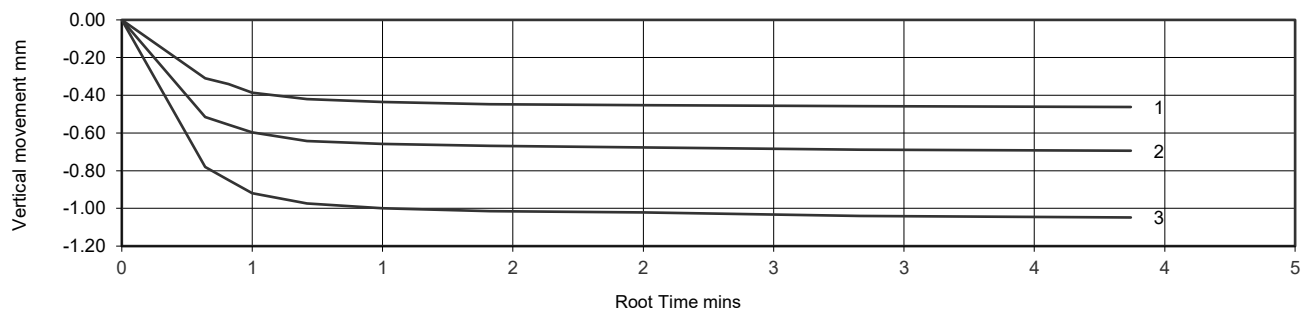
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

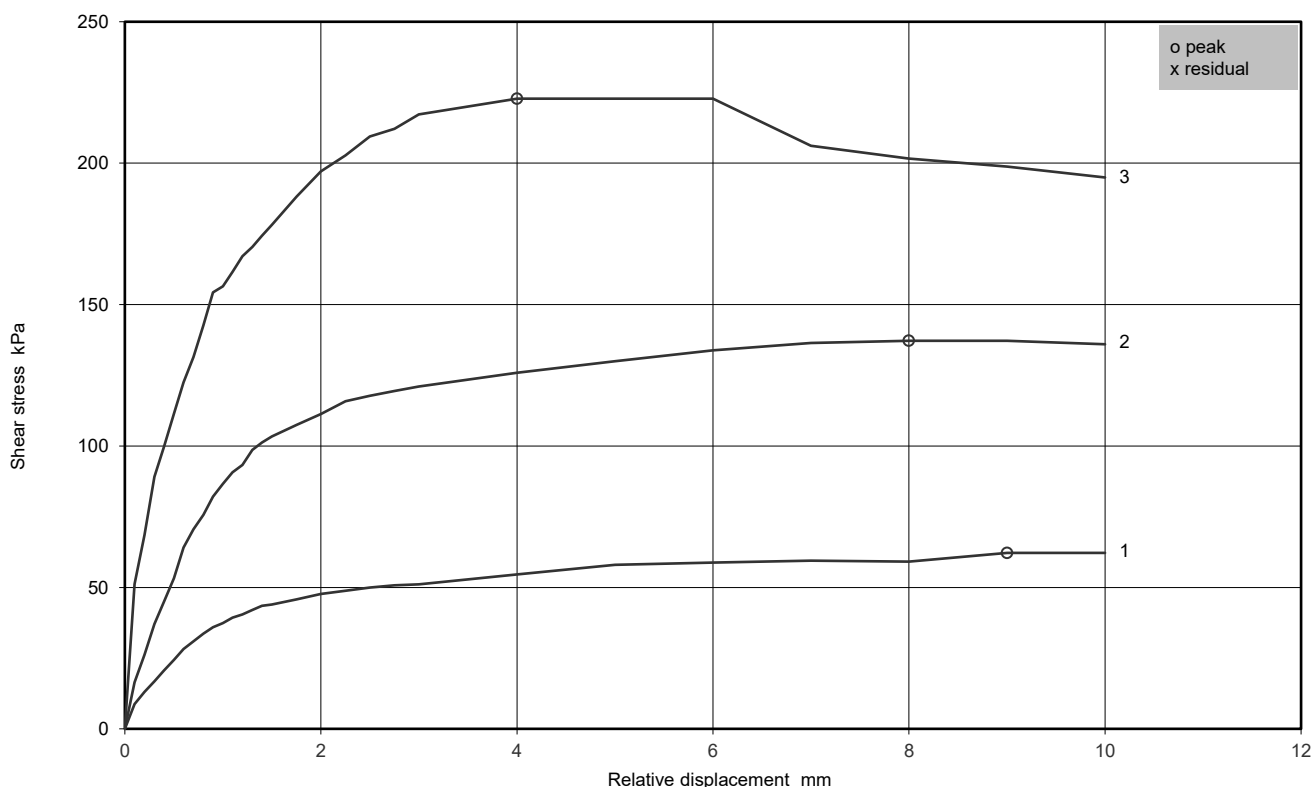
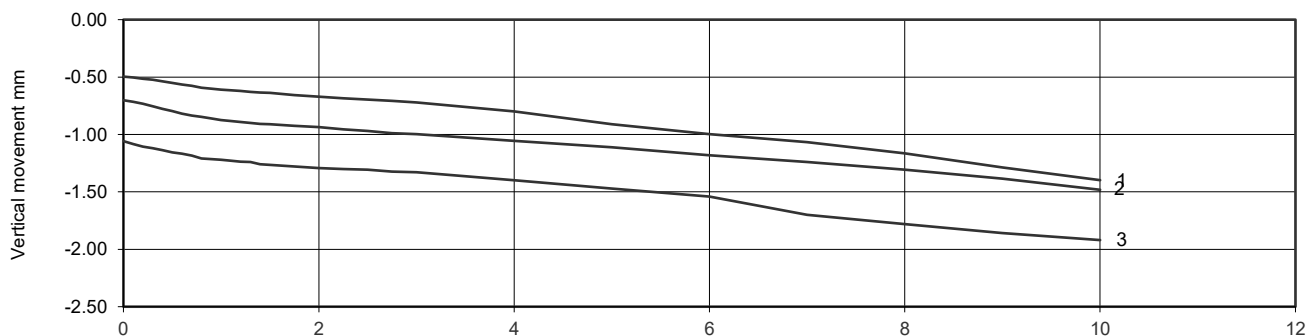
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|  | Date Printed |   | SSB |
|  | 30/12/2025   |                                                                                                                                                                            |     |

|                      |                                                                              |                |  |   |                  |               |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|                      |                                                                              |                |  |   | Borehole/Pit No. | BH-119        |
| Project Name         | Marine GI - Ardersier Port                                                   |                |  |   | Sample No.       |               |
| Soil Description     | Grey brown SAND                                                              |                |  |   | Depth m          | 12.3          |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP202511251 |

**Consolidation stage(s)**



**Shearing stage(s)**



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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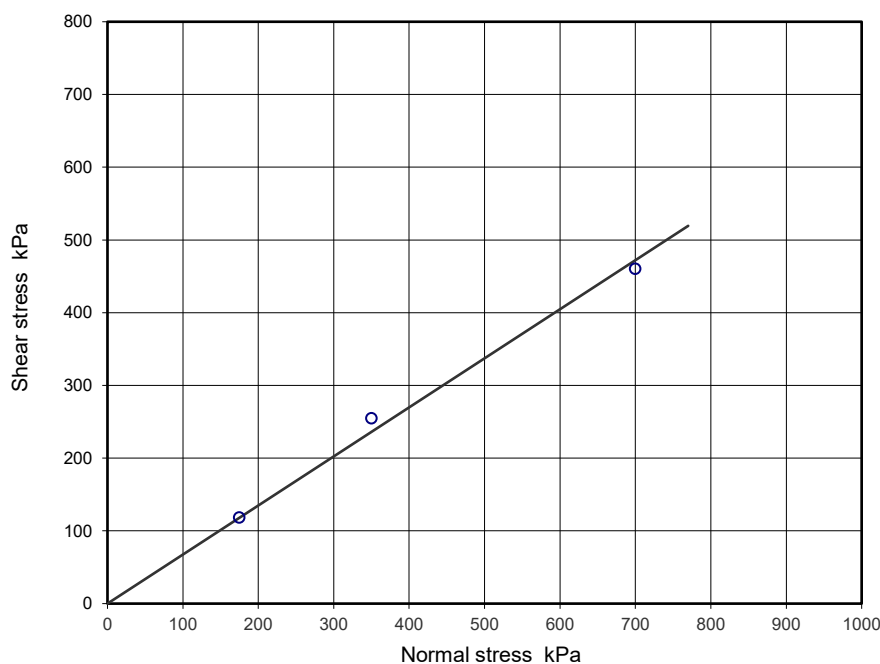
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| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-119        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Brown slightly gravelly silty SAND                                                   |                |   | Depth m          | 19.8          |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511252 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 12/02/2025    |

Preparation Details -2mm material. Recompactd to 45% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 23.1   | 23.1   | 23.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.79   | 1.79   | 1.79   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 18.3   | 18.3   | 18.3   |  |  | %                 |
|                  | Dry density                            |          | 1.51   | 1.51   | 1.51   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.755  | 0.755  | 0.755  |  |  |                   |
|                  | Degree of Saturation                   |          | 64     | 64     | 64     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 175    | 350    | 700    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.848 | -1.392 | -1.674 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.691  | 0.649  | 0.628  |  |  |                   |
| After test       | Final Moisture content                 |          | 19.8   | 18.7   | 19.2   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 8.00    | 4.00    | 5.00    |  |  |  | mm     |
|                      | Shear stress                                | 118.3   | 254.8   | 460.0   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.12   | -1.54   | -1.97   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 16 ]     | 0      |
| Ø'                 | degrees | [ 32.5 ]   | 34     |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

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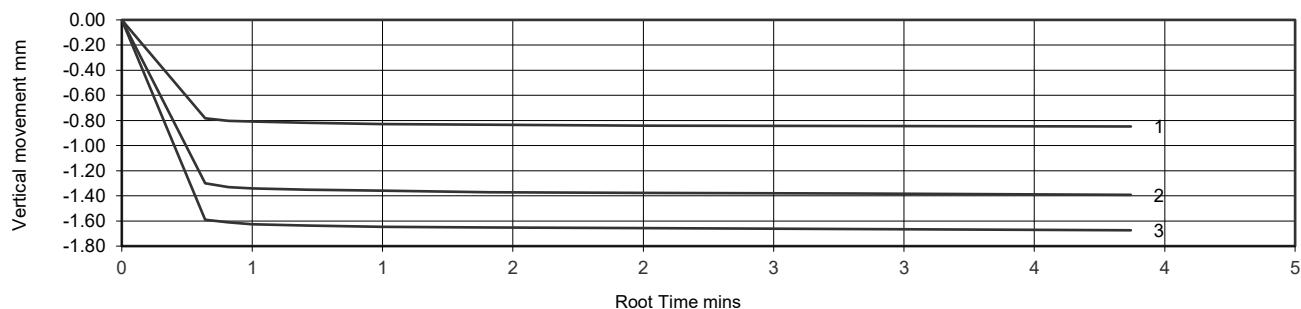
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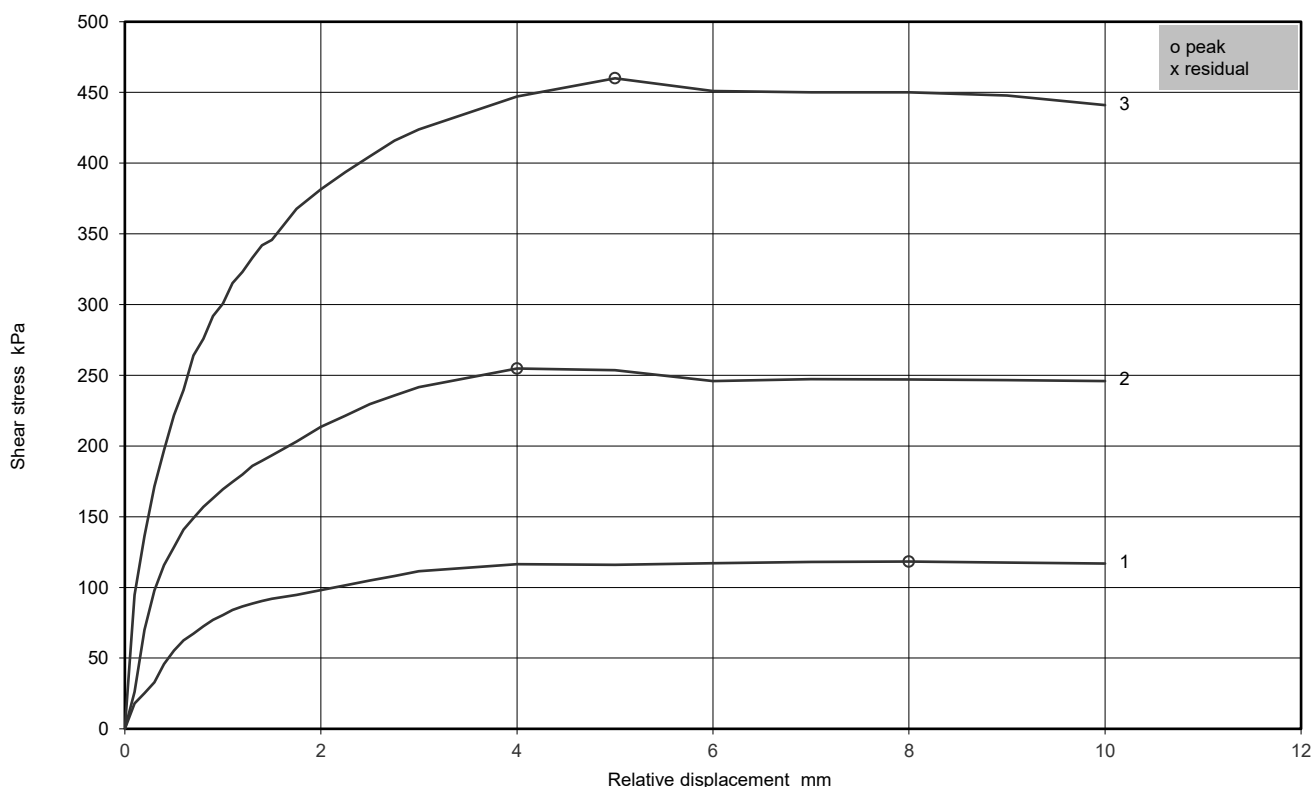
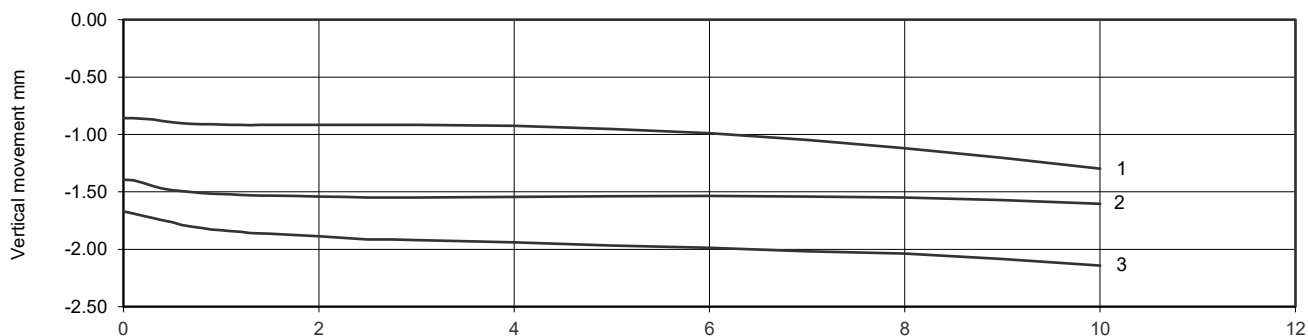
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|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH-119        |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |               |
| Soil Description     | Brown slightly gravelly silty SAND                                        |                |  |   | Depth m          | 19.8          |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP202511252 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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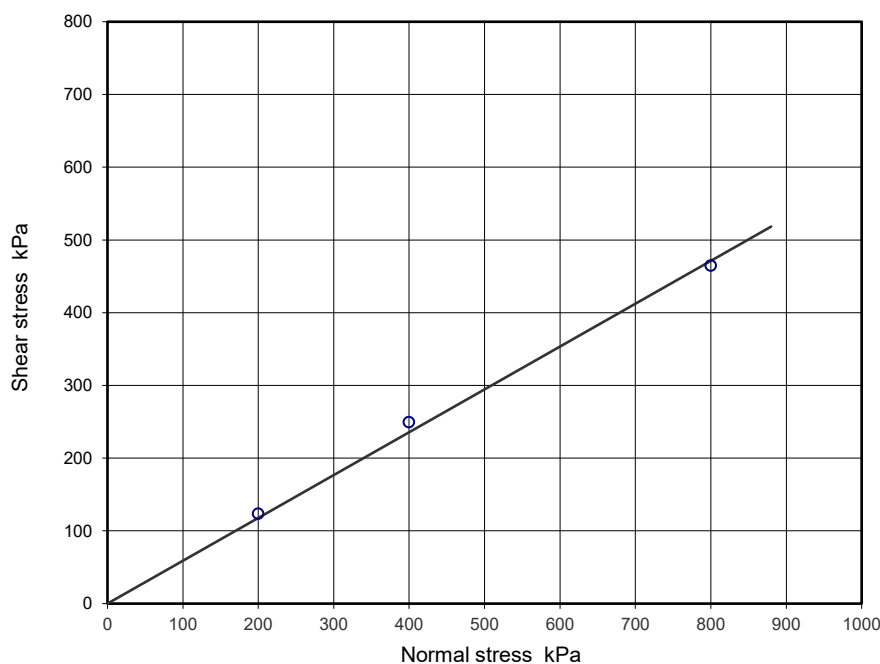
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH-119        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Brown slightly gravelly SAND                                                         |                |   | Depth m          | 21.3          |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511253 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 12/02/2025    |

Preparation Details -2mm material. Recompactd to 40% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 23.2   | 23.2   | 23.2   |  |  | mm                |
|                  | Bulk Density                           |          | 1.77   | 1.77   | 1.77   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 14.9   | 14.9   | 14.9   |  |  | %                 |
|                  | Dry density                            |          | 1.54   | 1.54   | 1.54   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.721  | 0.721  | 0.721  |  |  |                   |
|                  | Degree of Saturation                   |          | 55     | 55     | 55     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 200    | 400    | 800    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -2.006 | -1.946 | -2.208 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.572  | 0.576  | 0.557  |  |  |                   |
| After test       | Final Moisture content                 |          | 17.7   | 17.8   | 16.9   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 7.00    | 7.00    | 5.00    |  |  |  | mm     |
|                      | Shear stress                                | 123.6   | 249.6   | 464.5   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -2.65   | -2.86   | -2.74   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 16 ]     | 0      |
| Ø'                 | degrees | [ 29.5 ]   | 30.5   |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

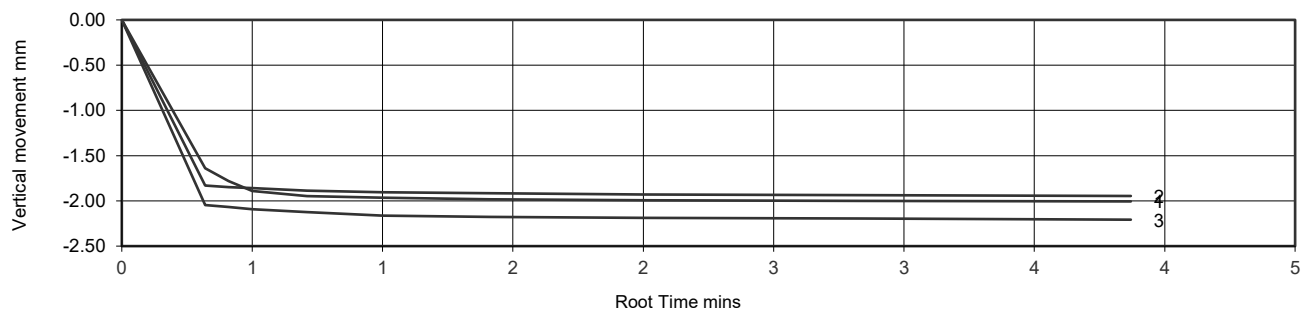
#### Remarks

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|  | 30/12/2025   |                                                                                                                                                                            |     |

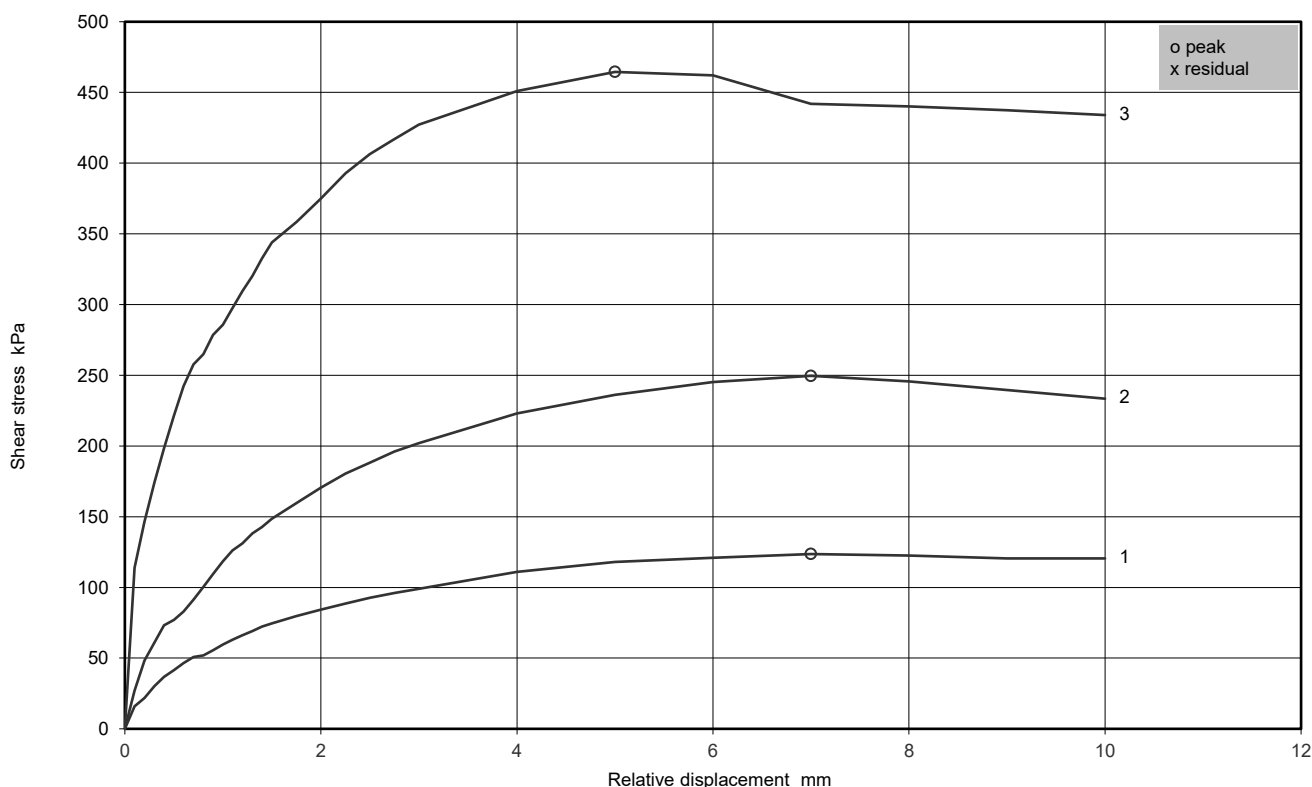
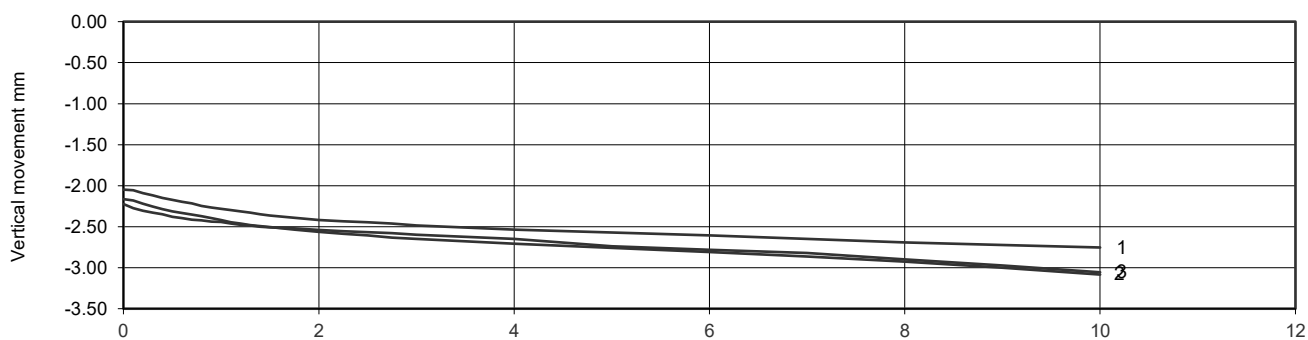


|                      |                                                                              |                |  |   |                  |               |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|                      |                                                                              |                |  |   | Borehole/Pit No. | BH-119        |
| Project Name         | Marine GI - Ardersier Port                                                   |                |  |   | Sample No.       |               |
| Soil Description     | Brown slightly gravelly SAND                                                 |                |  |   | Depth m          | 21.3          |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP202511253 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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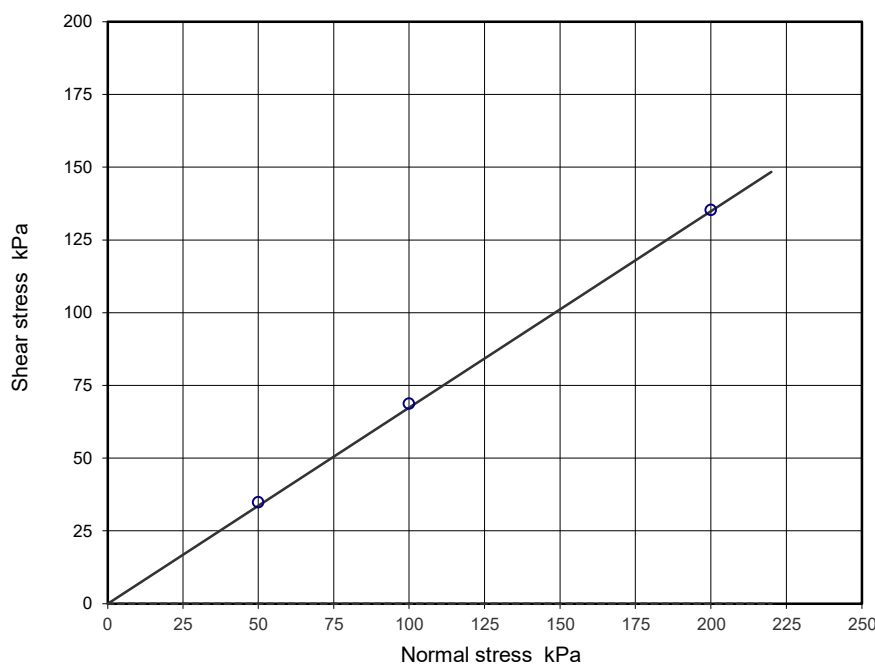
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331545       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH201         |
| Project Name                    | Ardersier Port                                                                       |                |   | Sample No.       |               |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 6.5           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202602164 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 23/02/2026    |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.3   | 26.3   |  |  | mm                |
|                  | Bulk Density                           |          | 1.80   | 1.80   | 1.80   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 29.7   | 29.7   | 29.7   |  |  | %                 |
|                  | Dry density                            |          | 1.39   | 1.39   | 1.39   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.906  | 0.906  | 0.906  |  |  |                   |
|                  | Degree of Saturation                   |          | 87     | 87     | 87     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 50     | 100    | 200    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.276 | -0.372 | -0.604 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.886  | 0.879  | 0.862  |  |  |                   |
| After test       | Final Moisture content                 |          | 26.0   | 25.5   | 25.5   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 2.75    | 2.25    | 3.00    |  |  |  | mm     |
|                      | Shear stress                                | 34.8    | 68.7    | 135.3   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.27   | -0.34   | -0.65   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 1.5 ]    | 0      |
| Ø'                 | degrees | [ 34.0 ]   | 34     |

#### Residual strength, (x)

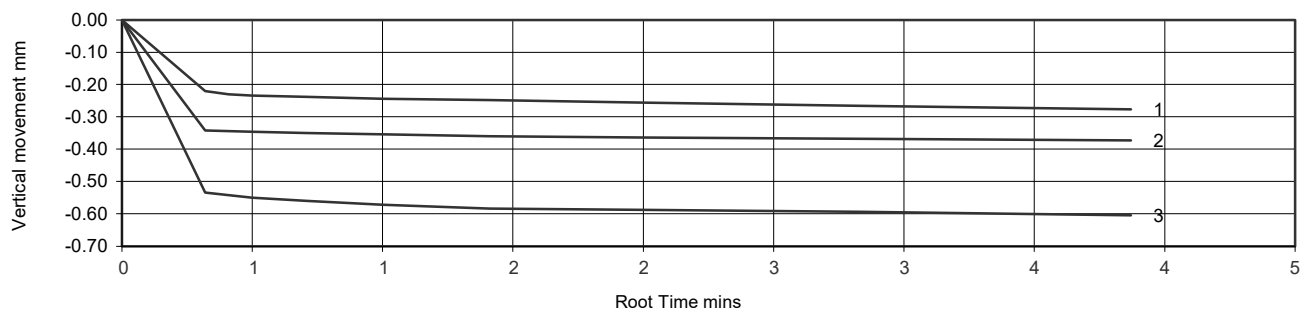
|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

|         |
|---------|
| Remarks |
|         |

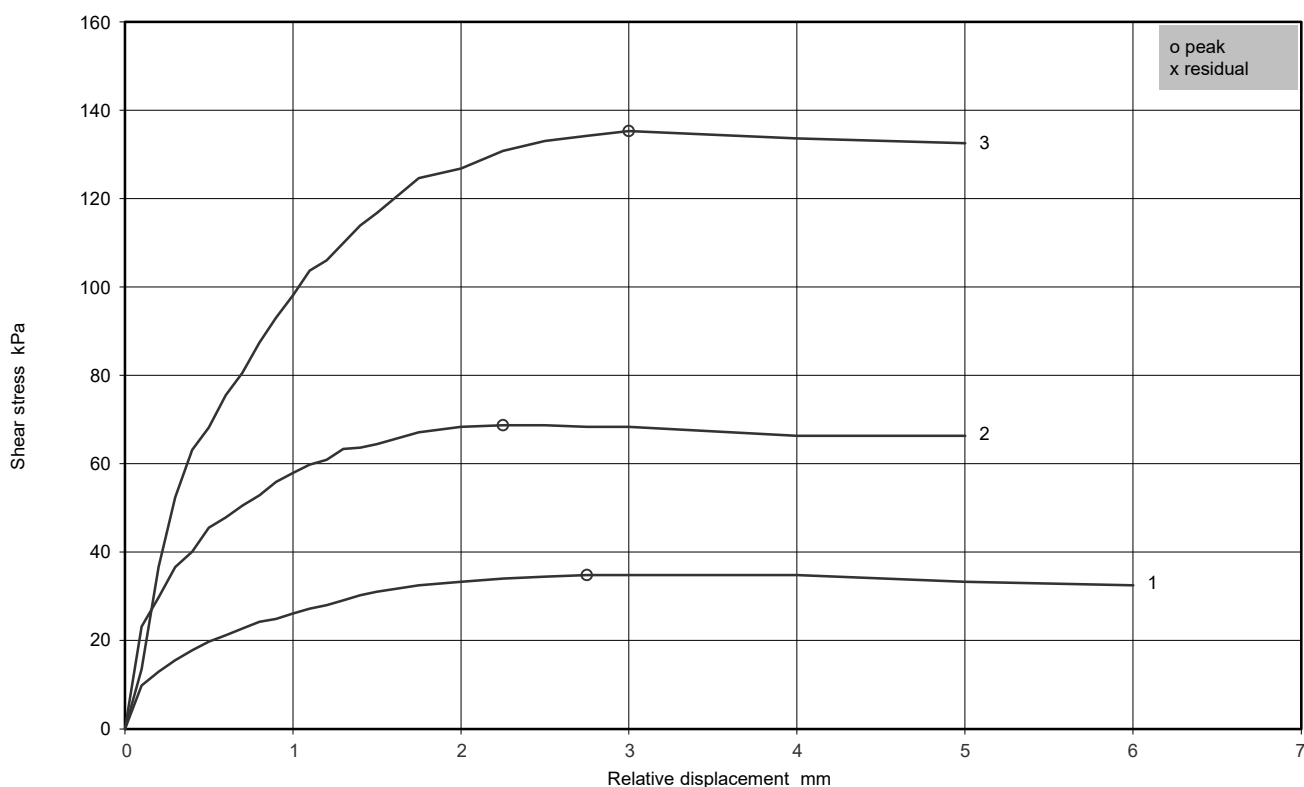
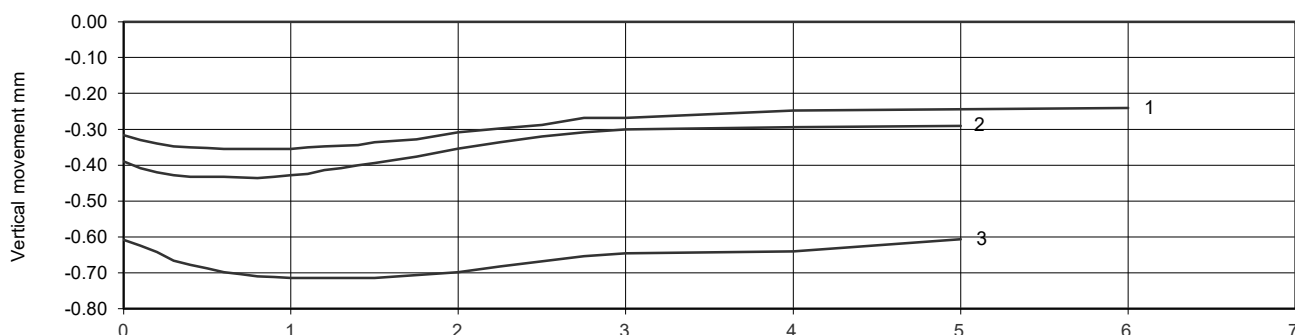
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|  | Date Printed |  |  | SSB |
|  | 24/02/2026   |                                                                                      |                                                                                       |     |

|                      |                                                                              |                |  |   |                  |               |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331545       |
|                      |                                                                              |                |  |   | Borehole/Pit No. | BH201         |
| Project Name         | Ardersier Port                                                               |                |  |   | Sample No.       |               |
| Soil Description     | Brown SAND                                                                   |                |  |   | Depth m          | 6.5           |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP202602164 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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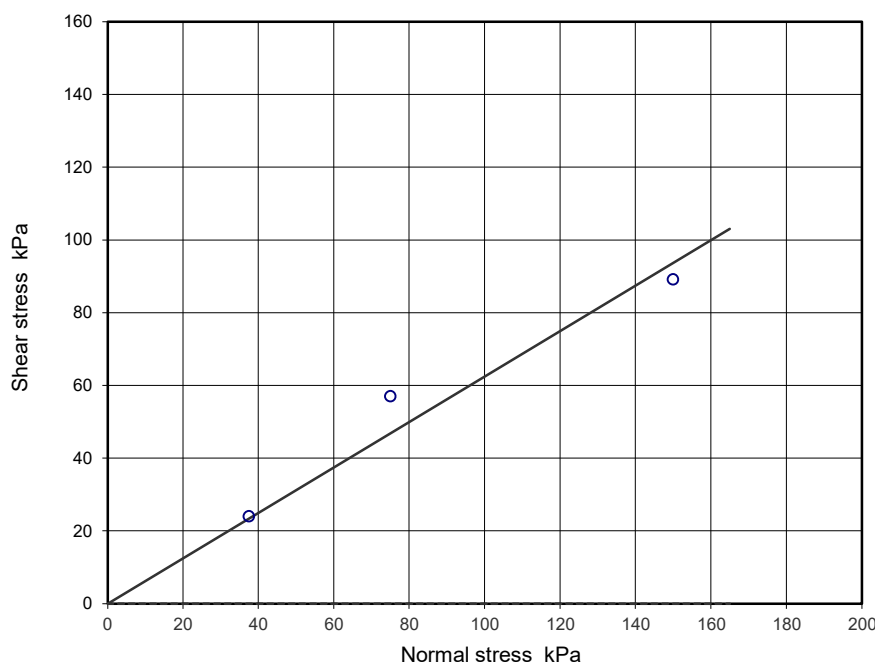
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331545       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | BH201         |
| Project Name                    | Ardersier Port                                                                       |                |   | Sample No.       |               |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 5             |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202602163 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 23/02/2026    |

Preparation Details -2mm material. Recompact to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1         | 2         | 3          |  |  |                   |
|------------------|----------------------------------------|----------|-----------|-----------|------------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1      | 26.1      | 26.1       |  |  | mm                |
|                  | Bulk Density                           |          | 1.67      | 1.67      | 1.67       |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 26.7      | 26.7      | 26.7       |  |  | %                 |
|                  | Dry density                            |          | 1.32      | 1.32      | 1.32       |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 1.008     | 1.008     | 1.008      |  |  |                   |
|                  | Degree of Saturation                   |          | 70        | 70        | 70         |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | <b>38</b> | <b>75</b> | <b>150</b> |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.154    | -0.826    | -0.628     |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.996     | 0.944     | 0.960      |  |  |                   |
| After test       | Final Moisture content                 |          | 26.3      | 27.3      | 27.0       |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 10.00   | 10.00   | 10.00   |  |  |  | mm     |
|                      | Shear stress                                | 24.0    | 57.0    | 89.1    |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.76   | -1.35   | -1.03   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 8.0 ]    | 0      |
| Ø'                 | degrees | [ 29.0 ]   | 32     |

#### Residual strength, (x)

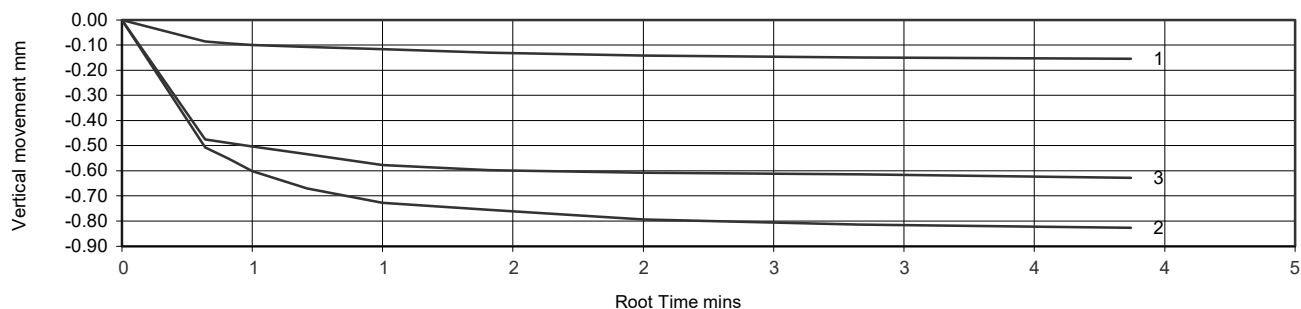
|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

|         |
|---------|
| Remarks |
|         |

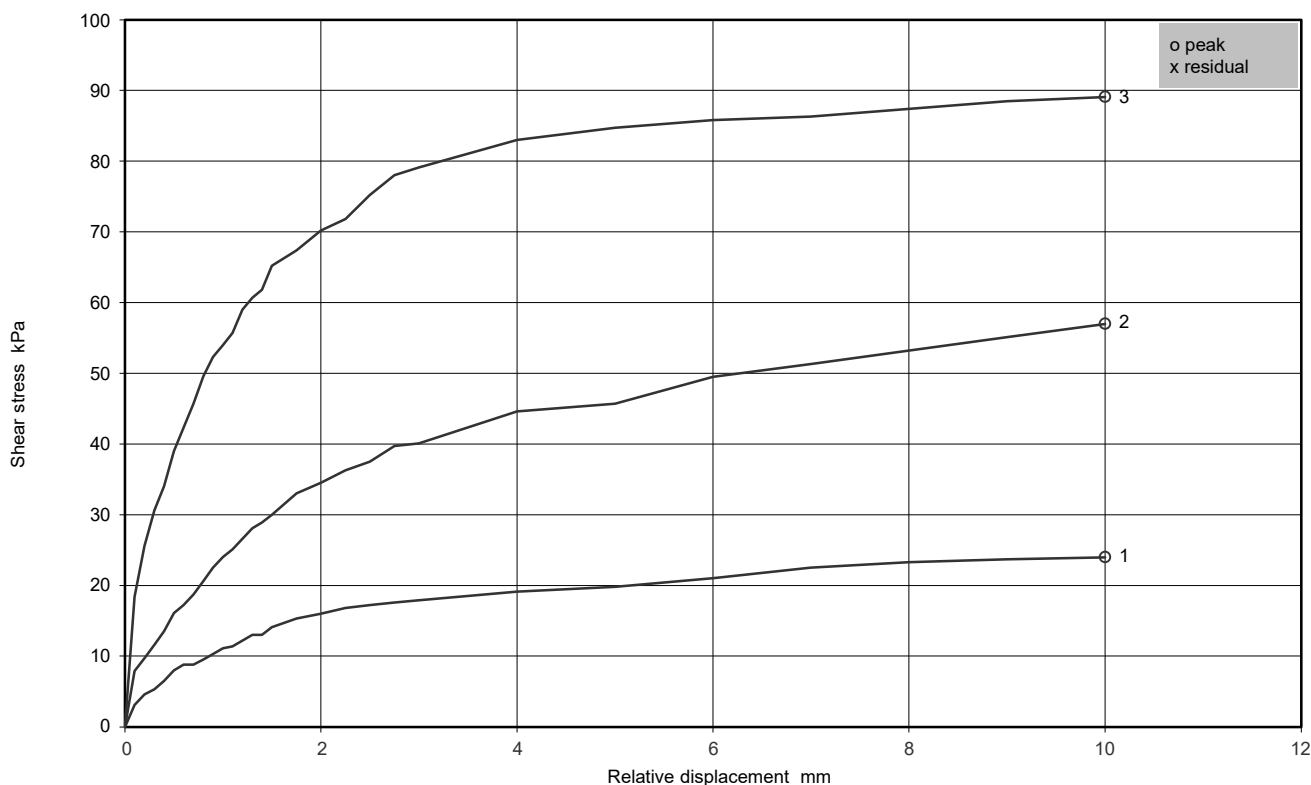
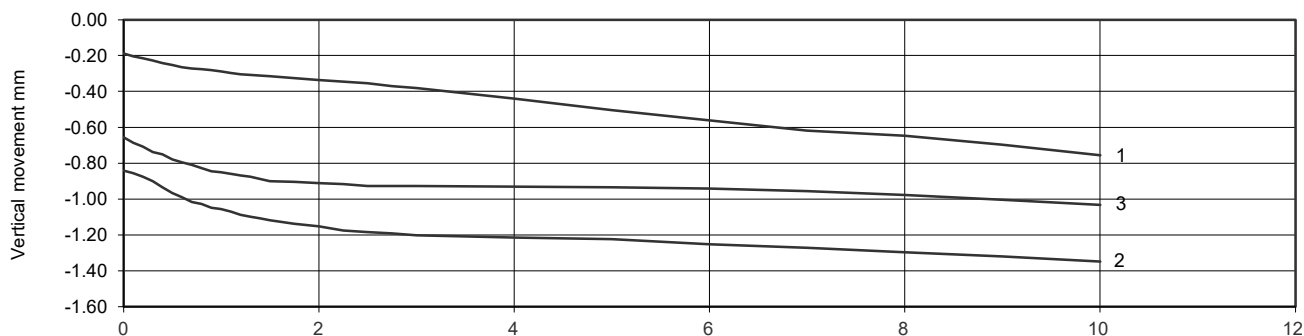
|  |              |                                                                                                                                                                               |     |
|--|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|  | Date Printed | <br> | SSB |
|  | 24/02/2026   |                                                                                                                                                                               |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331545       |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | BH201         |
| Project Name         | Ardersier Port                                                            |                |  |   | Sample No.       |               |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 5             |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP202602163 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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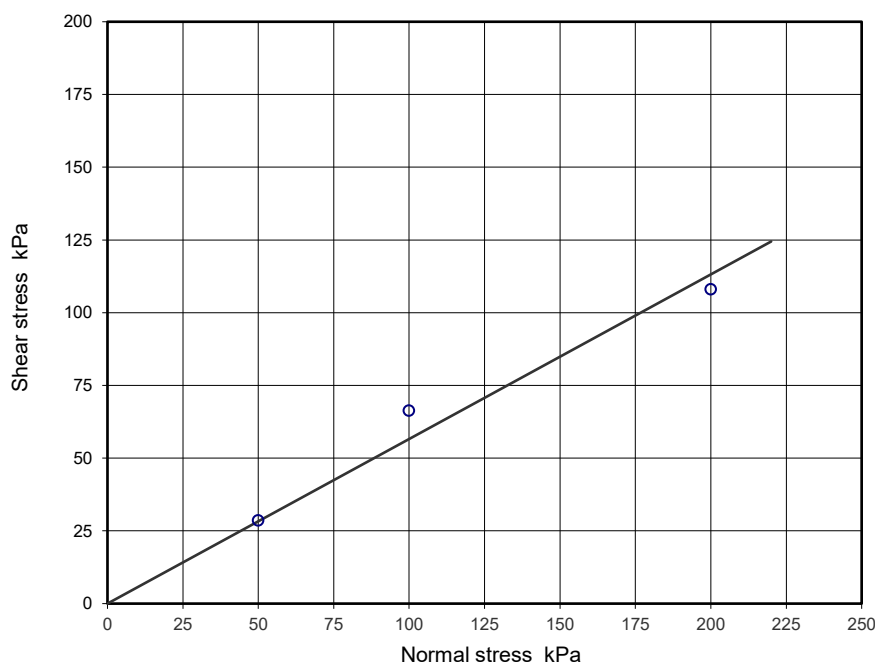
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|                                 |                                                                                      |                |   |                  |               |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-101        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Light brown slightly gravelly silty SAND                                             |                |   | Depth m          | 2.1           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511254 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 12/04/2025    |

Preparation Details -2mm material. Recompactd to 45% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 23.1   | 23.1   | 23.1   |  |  | mm    |
|                  | Bulk Density                           |          | 1.72   | 1.72   | 1.72   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 13.3   | 13.3   | 13.3   |  |  | %     |
|                  | Dry density                            |          | 1.52   | 1.52   | 1.52   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.743  | 0.743  | 0.743  |  |  |       |
|                  | Degree of Saturation                   |          | 47     | 47     | 47     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 50     | 100    | 200    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.688 | -0.834 | -0.968 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.691  | 0.680  | 0.670  |  |  |       |
| After test       | Final Moisture content                 |          | 25.8   | 25.1   | 24.5   |  |  |       |

| Shearing stage(s)    |                                             |  |         |         |         |  |  |        |
|----------------------|---------------------------------------------|--|---------|---------|---------|--|--|--------|
| Rate of displacement | Peak                                        |  | 0.60000 | 0.60000 | 0.60000 |  |  | mm/min |
|                      | Residual                                    |  |         |         |         |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            |  | 10.00   | 9.00    | 7.00    |  |  | mm     |
|                      | Shear stress                                |  | 28.6    | 66.3    | 108.0   |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     |  | -1.17   | -1.48   | -1.64   |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     |  | 1       | 1       | 1       |  |  |        |
|                      | Relative horizontal displacement            |  |         |         |         |  |  | mm     |
|                      | Shear stress                                |  |         |         |         |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |  |         |         |         |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 7.8 ]    | 0      |
| Ø'                 | degrees | [ 27.0 ]   | 29.5   |

#### Residual strength, (x)

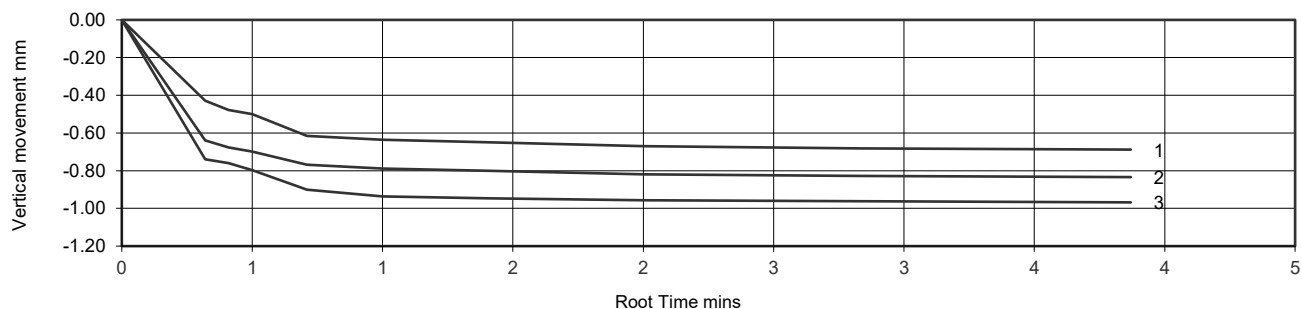
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

|         |
|---------|
| Remarks |
|         |

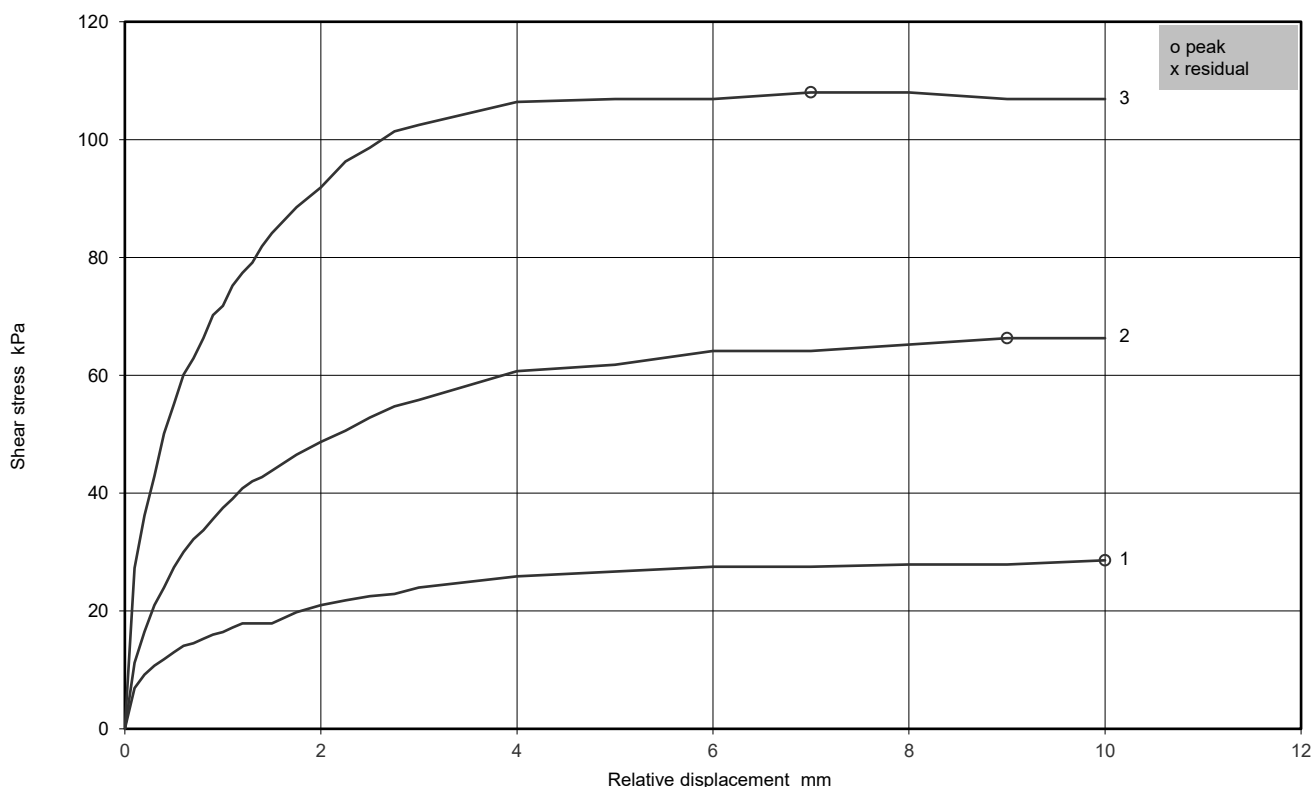
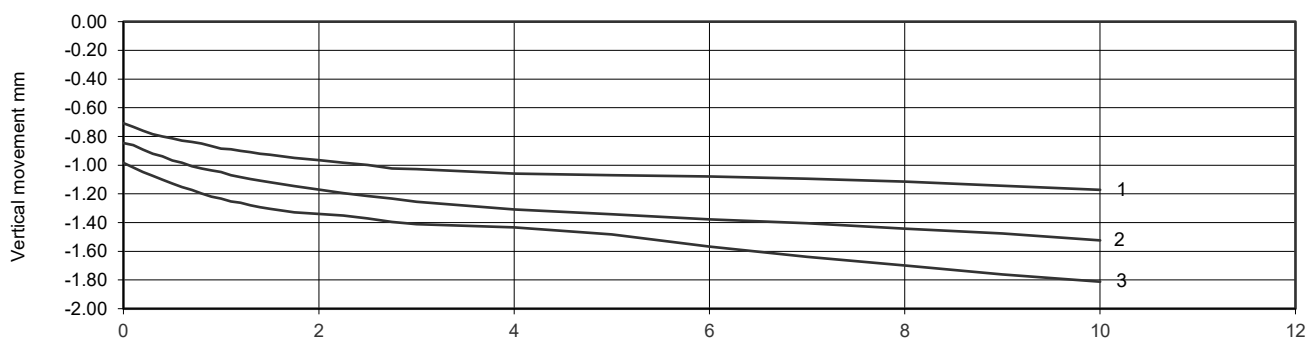
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|--|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|  | Date Printed |   | SSB |
|  | 30/12/2025   |                                                                                                                                                                            |     |

|                      |                                                                              |                |  |   |                  |               |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|                      |                                                                              |                |  |   | Borehole/Pit No. | CP-101        |
| Project Name         | Marine GI - Ardersier Port                                                   |                |  |   | Sample No.       |               |
| Soil Description     | Light brown slightly gravelly silty SAND                                     |                |  |   | Depth m          | 2.1           |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP202511254 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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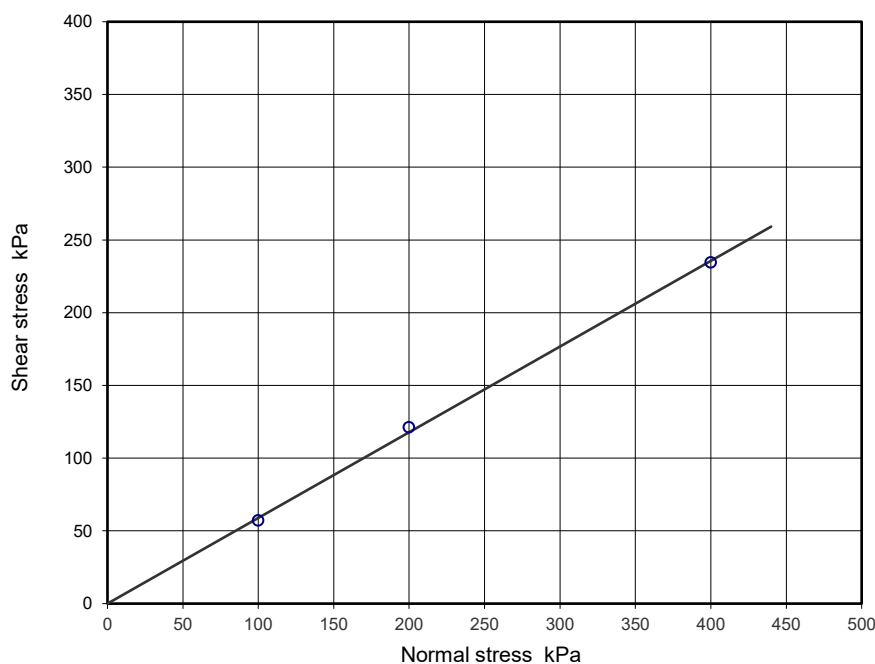
|                                 |                                                                                      |                |   |                  |               |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-101        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Brown slightly gravelly SAND                                                         |                |   | Depth m          | 5.4           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511255 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 12/02/2025    |

Preparation Details -2mm material. Recompactd to 65% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 23.2   | 23.3   | 23.2   |  |  | mm                |
|                  | Bulk Density                           |          | 1.72   | 1.72   | 1.72   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 21.9   | 21.9   | 21.9   |  |  | %                 |
|                  | Dry density                            |          | 1.41   | 1.41   | 1.41   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.879  | 0.879  | 0.879  |  |  |                   |
|                  | Degree of Saturation                   |          | 66     | 66     | 66     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 100    | 200    | 400    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.616 | -0.710 | -0.846 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.829  | 0.822  | 0.810  |  |  |                   |
| After test       | Final Moisture content                 |          | 25.0   | 24.2   | 24.1   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 5.00    | 10.00   | 7.00    |  |  |  | mm     |
|                      | Shear stress                                | 57.1    | 121.1   | 234.5   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.92   | -1.06   | -1.11   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 0.4 ]    | 0      |
| Ø'                 | degrees | [ 30.5 ]   | 30.5   |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

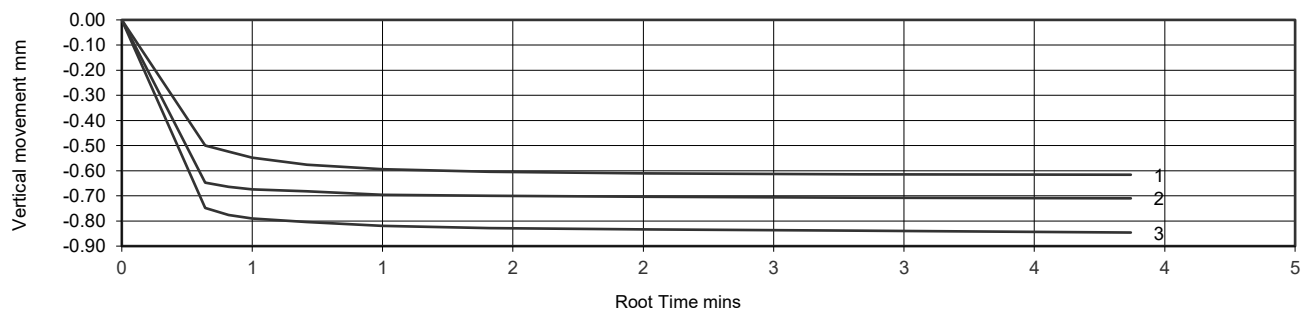
#### Remarks

|  |              |                                                                                                                                                                            |     |
|--|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|  | Date Printed |   | SSB |
|  | 30/12/2025   |                                                                                                                                                                            |     |

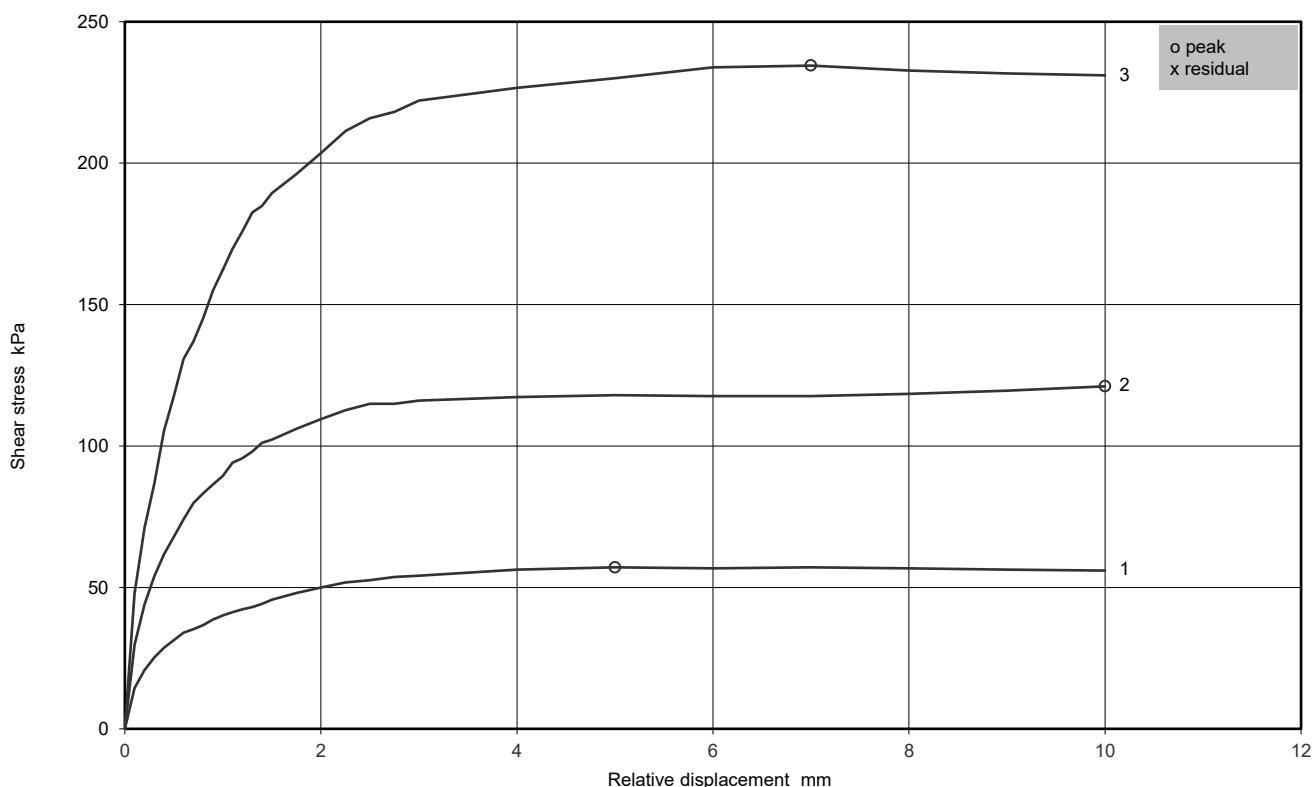
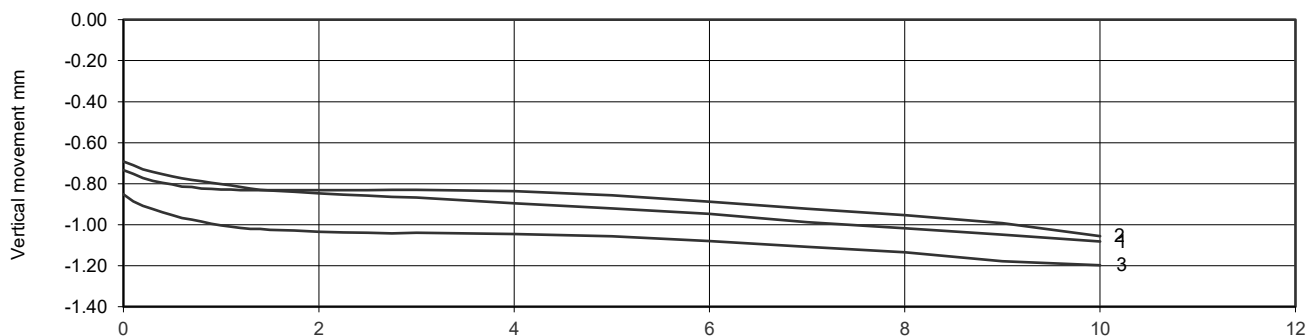


|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-101        |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |               |
| Soil Description     | Brown slightly gravelly SAND                                              |                |  |   | Depth m          | 5.4           |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP202511255 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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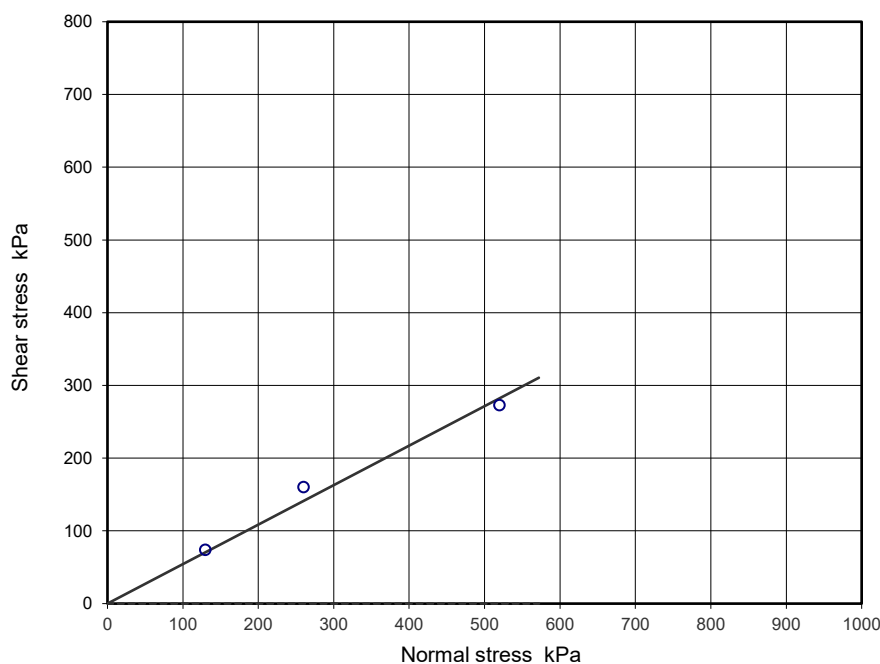
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-101        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 8.4           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511256 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 12/12/2025    |

Preparation Details -2mm material. Recompactd to 55% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 23.1   | 23.1   | 23.1   |  |  | mm    |
|                  | Bulk Density                           |          | 1.78   | 1.78   | 1.78   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 26.9   | 26.9   | 26.9   |  |  | %     |
|                  | Dry density                            |          | 1.40   | 1.40   | 1.40   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.893  | 0.893  | 0.893  |  |  |       |
|                  | Degree of Saturation                   |          | 80     | 80     | 80     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 130    | 260    | 520    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.914 | -1.162 | -1.224 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.818  | 0.798  | 0.793  |  |  |       |
| After test       | Final Moisture content                 |          | 27.6   | 27.0   | 26.6   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 5.00    | 7.00    | 4.00    |  |  |  | mm     |
|                      | Shear stress                                | 73.6    | 160.0   | 272.9   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.27   | -1.62   | -1.60   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 17 ]     | 0      |
| Ø'                 | degrees | [ 26.5 ]   | 28.5   |

#### Residual strength, (x)

|     |         |         |   |
|-----|---------|---------|---|
| c'R | kPa     | [ 0.0 ] | 0 |
| Ø'R | degrees | [ ]     | 0 |

#### Remarks

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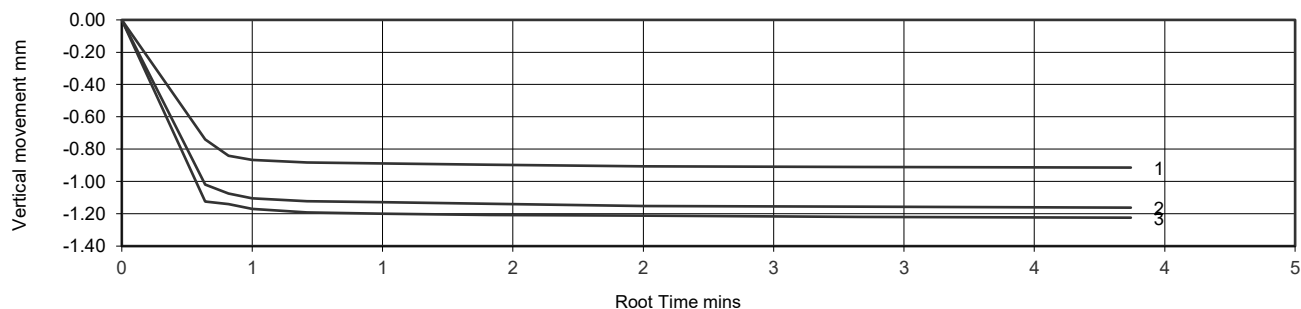
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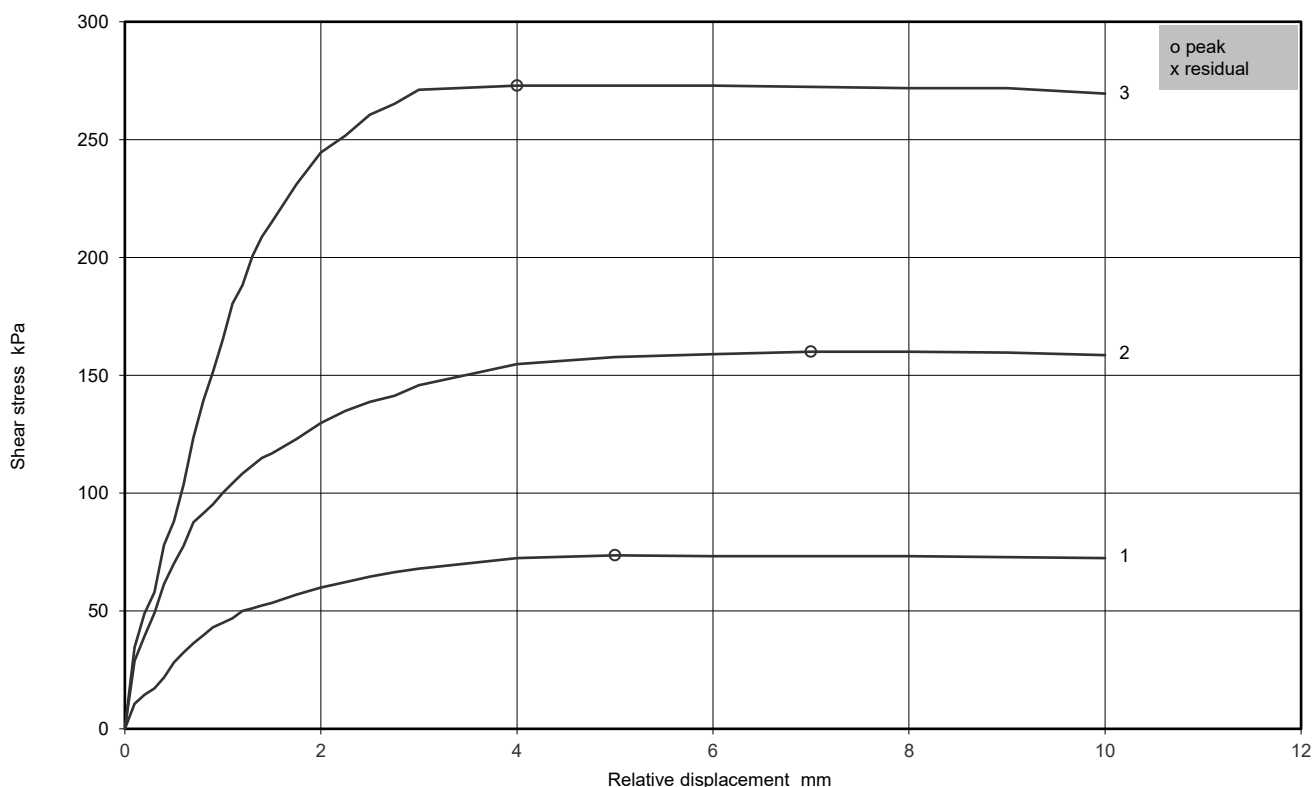
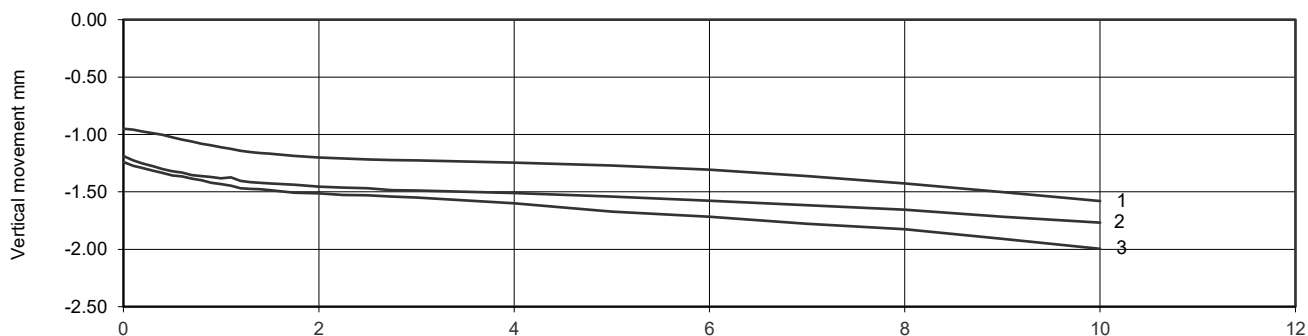
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|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-101        |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |               |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 8.4           |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP202511256 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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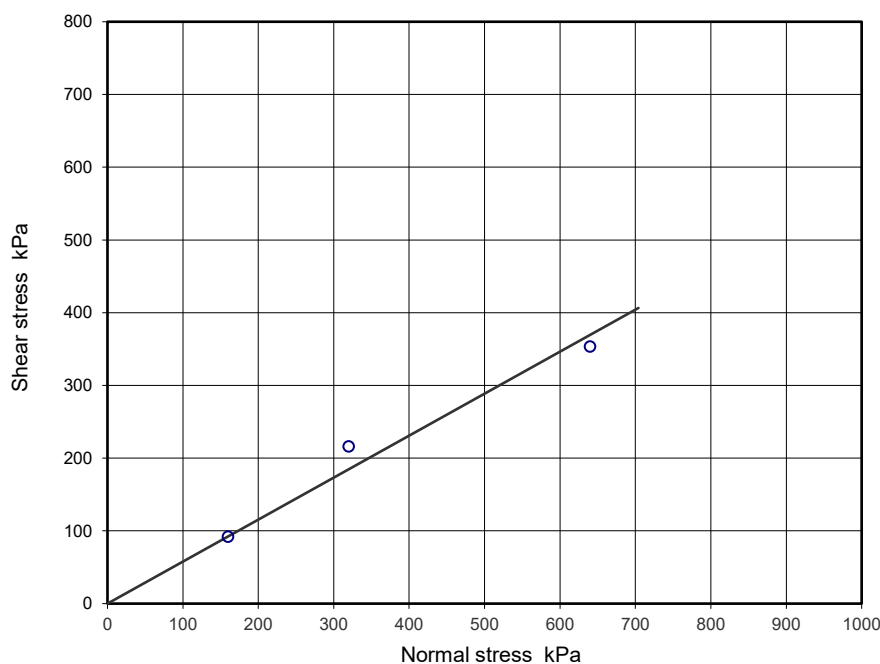
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-101        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Grey brown SAND                                                                      |                |   | Depth m          | 11.4          |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511257 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 16/12/2025    |

Preparation Details -2mm material. Recompactd to 45% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 23.1   | 23.1   | 23.1   |  |  | mm    |
|                  | Bulk Density                           |          | 1.70   | 1.70   | 1.70   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 24.2   | 24.2   | 24.2   |  |  | %     |
|                  | Dry density                            |          | 1.37   | 1.37   | 1.37   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.934  | 0.934  | 0.934  |  |  |       |
|                  | Degree of Saturation                   |          | 69     | 69     | 69     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 160    | 320    | 640    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -1.196 | -1.696 | -1.924 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.834  | 0.792  | 0.773  |  |  |       |
| After test       | Final Moisture content                 |          | 27.0   | 26.6   | 26.3   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 8.00    | 7.00    | 6.00    |  |  |  | mm     |
|                      | Shear stress                                | 91.6    | 215.8   | 353.1   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.99   | -2.22   | -2.57   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 23 ]     | 0      |
| Ø'                 | degrees | [ 28.0 ]   | 30     |

#### Residual strength, (x)

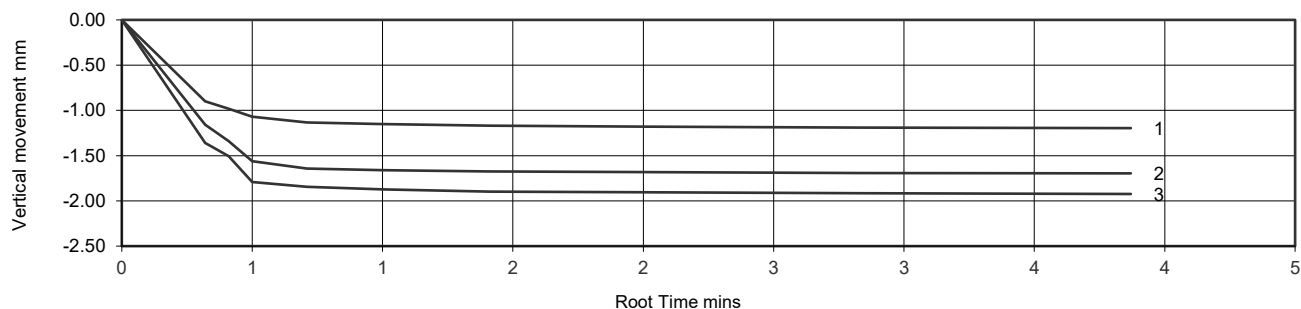
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

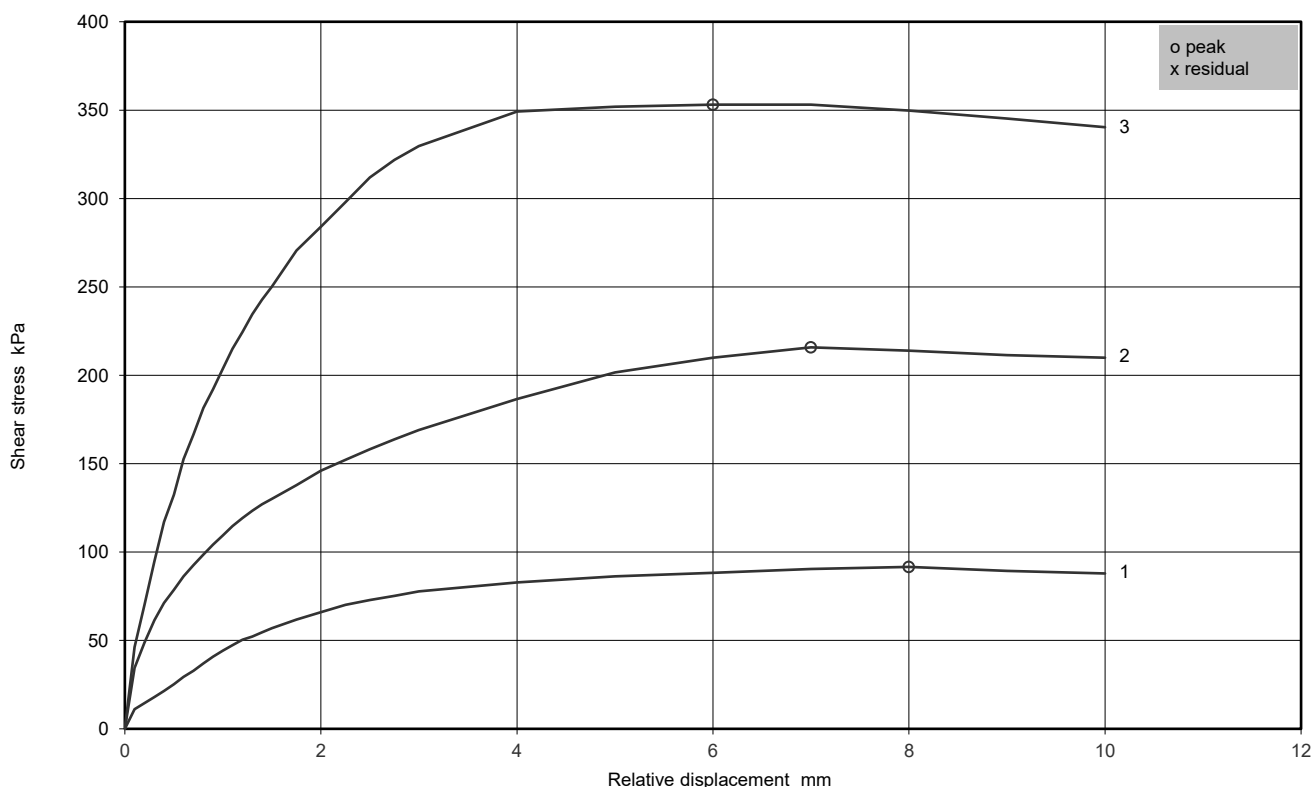
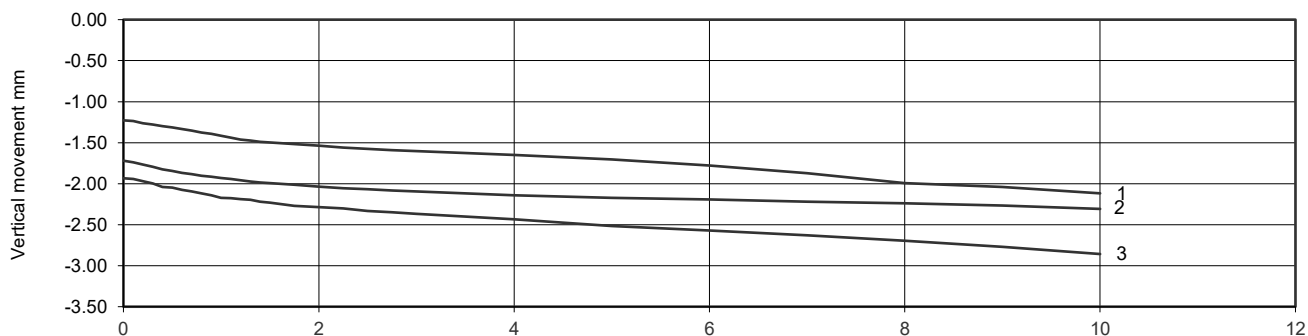
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|--|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|  | Date Printed |   | SSB |
|  | 30/12/2025   |                                                                                                                                                                            |     |

|                      |                                                                              |                |  |   |                  |               |
|----------------------|------------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      | Determination of shear strength using the<br>Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|                      |                                                                              |                |  |   | Borehole/Pit No. | CP-101        |
| Project Name         | Marine GI - Ardersier Port                                                   |                |  |   | Sample No.       |               |
| Soil Description     | Grey brown SAND                                                              |                |  |   | Depth m          | 11.4          |
| Specimen Reference   |                                                                              | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                              |                |  |   | KeyLAB ID        | TTLP202511257 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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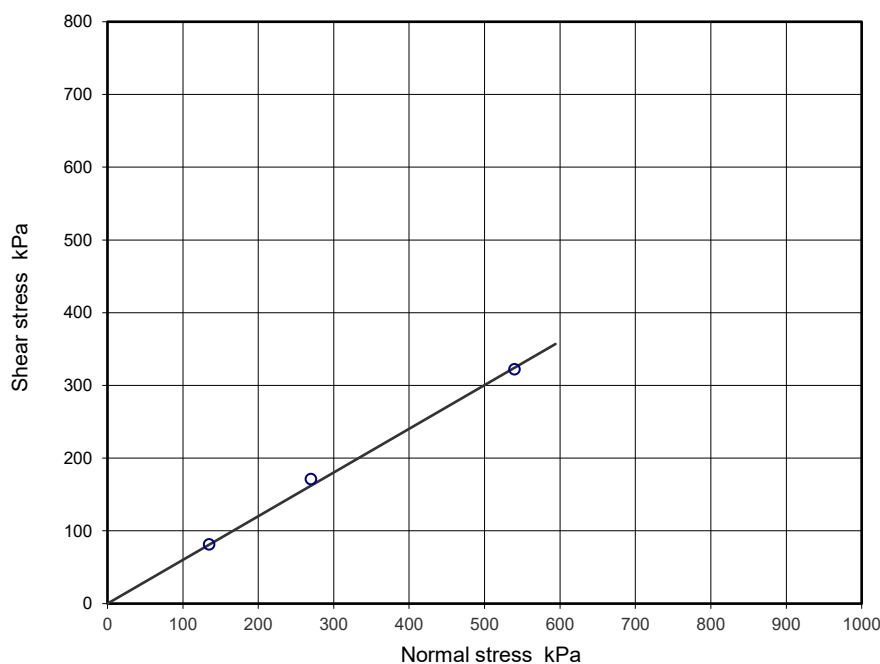
|                                 |                                                                                      |                |   |                  |               |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997       |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-102        |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |               |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 9.1           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP202511259 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 18/12/2025    |

Preparation Details -2mm material. Recompactd to 45% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 23.1   | 23.1   | 23.2   |  |  | mm                |
|                  | Bulk Density                           |          | 1.73   | 1.73   | 1.73   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 23.9   | 23.9   | 23.9   |  |  | %                 |
|                  | Dry density                            |          | 1.40   | 1.40   | 1.40   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.893  | 0.893  | 0.893  |  |  |                   |
|                  | Degree of Saturation                   |          | 71     | 71     | 71     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 135    | 270    | 540    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.864 | -1.058 | -1.436 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.822  | 0.806  | 0.776  |  |  |                   |
| After test       | Final Moisture content                 |          | 25.2   | 25.1   | 25.5   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 6.00    | 7.00    | 5.00    |  |  |  | mm     |
|                      | Shear stress                                | 81.3    | 170.9   | 321.9   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.38   | -1.63   | -1.72   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 5.8 ]    | 0      |
| Ø'                 | degrees | [ 30.5 ]   | 31     |

#### Residual strength, (x)

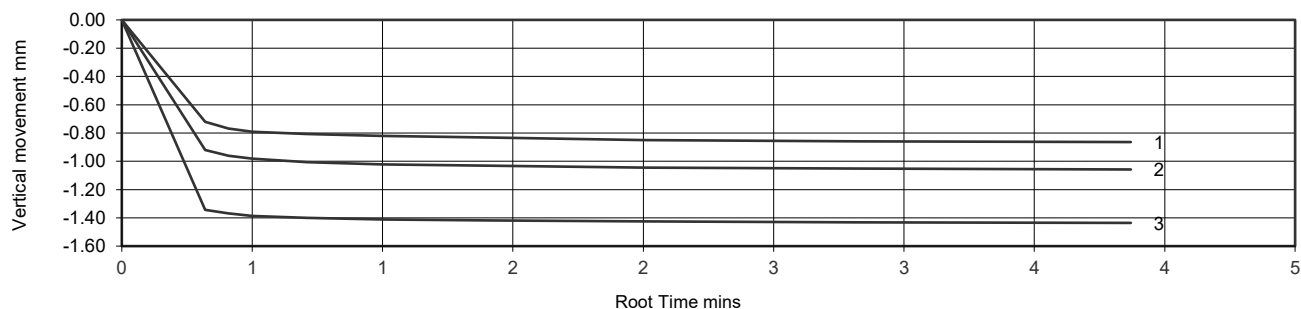
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

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|---------|
| Remarks |
|         |

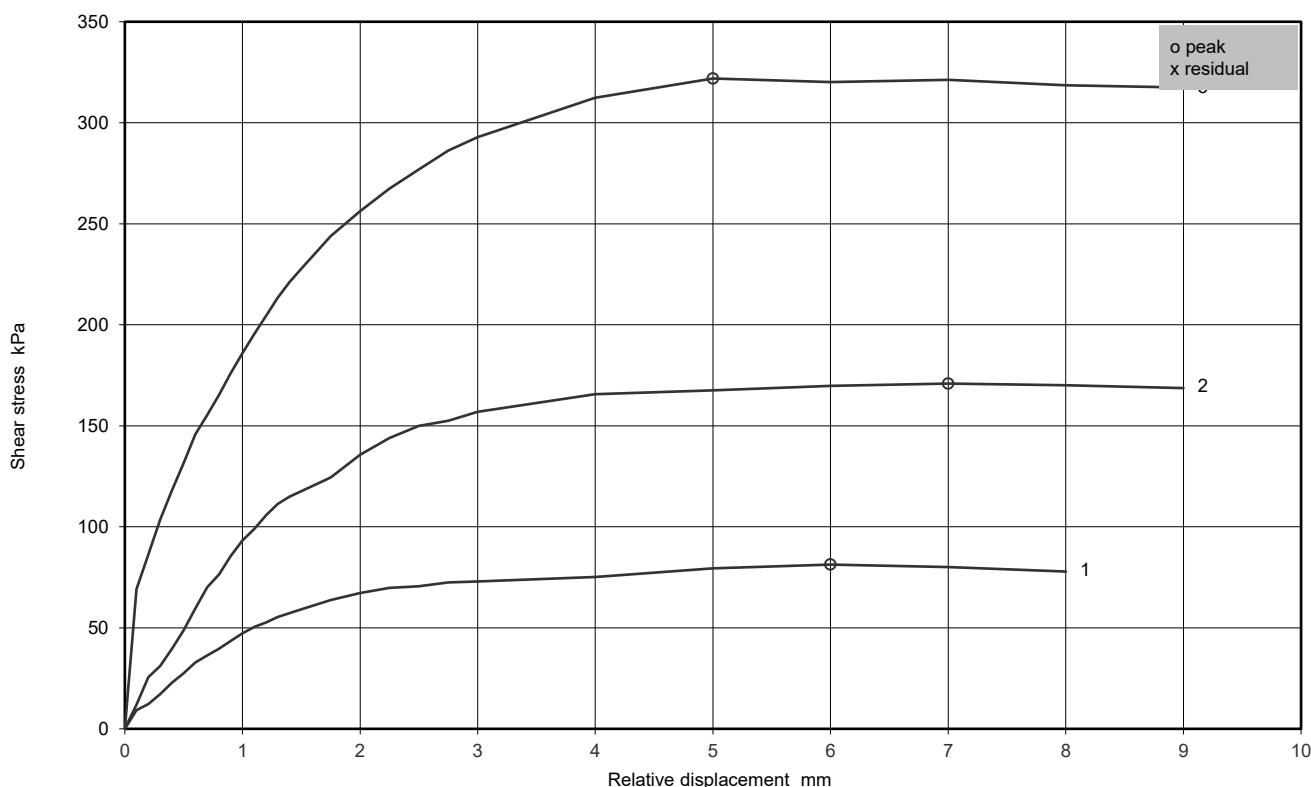
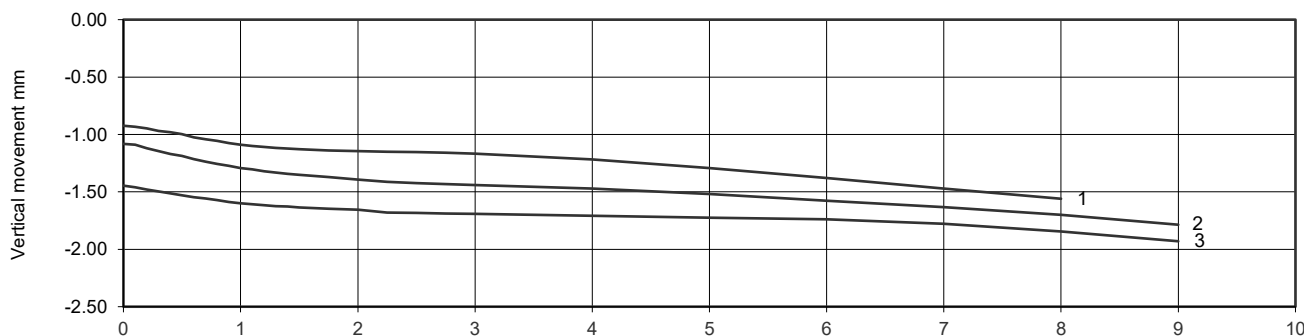
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|--|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----|
|  | Date Printed |  |  | SSB |
|  | 30/12/2025   |                                                                                      |                                                                                       |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997       |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|---------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-102        |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |               |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 9.1           |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B             |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP202511259 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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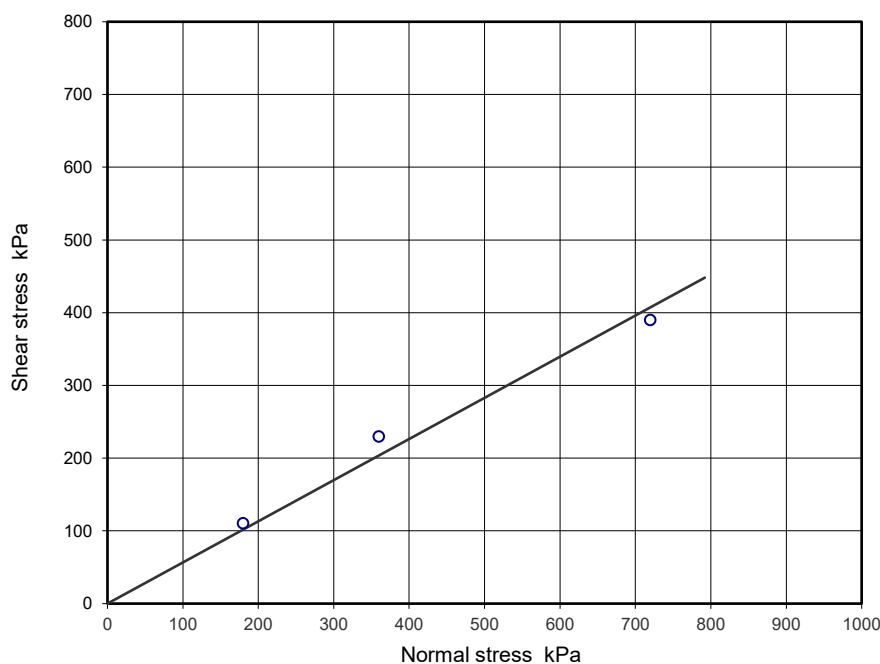
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J327997        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-102         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 13.6           |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2025112510 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 19/12/2025     |

Preparation Details -2mm material. Recompactd to 45% relative density at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 23.1   | 23.1   | 23.1   |  |  | mm    |
|                  | Bulk Density                           |          | 1.72   | 1.72   | 1.72   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 24.6   | 24.6   | 24.6   |  |  | %     |
|                  | Dry density                            |          | 1.38   | 1.38   | 1.38   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.920  | 0.920  | 0.920  |  |  |       |
|                  | Degree of Saturation                   |          | 71     | 71     | 71     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 180    | 360    | 720    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.950 | -1.204 | -2.106 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.841  | 0.820  | 0.745  |  |  |       |
| After test       | Final Moisture content                 |          | 25.2   | 24.4   | 25.0   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 10.00   | 5.00    | 3.00    |  |  |  | mm     |
|                      | Shear stress                                | 110.3   | 229.7   | 389.8   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.99   | -1.62   | -2.53   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 30 ]     | 0      |
| Ø'                 | degrees | [ 27.0 ]   | 29.5   |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

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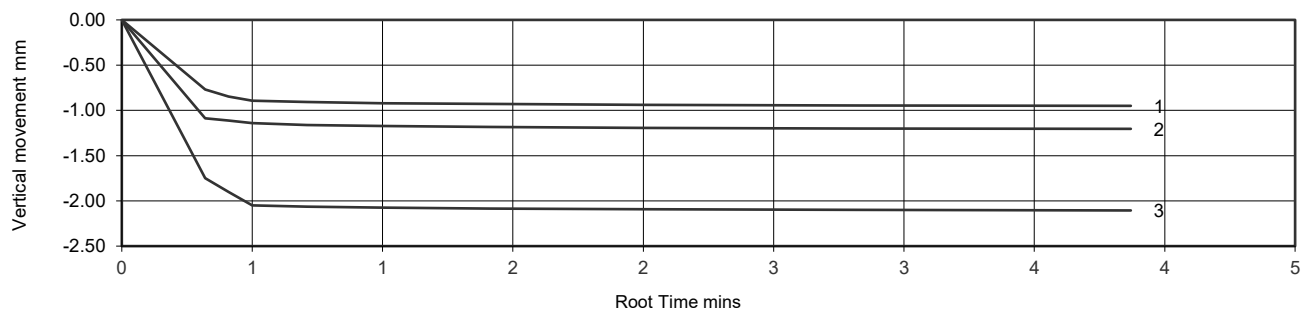


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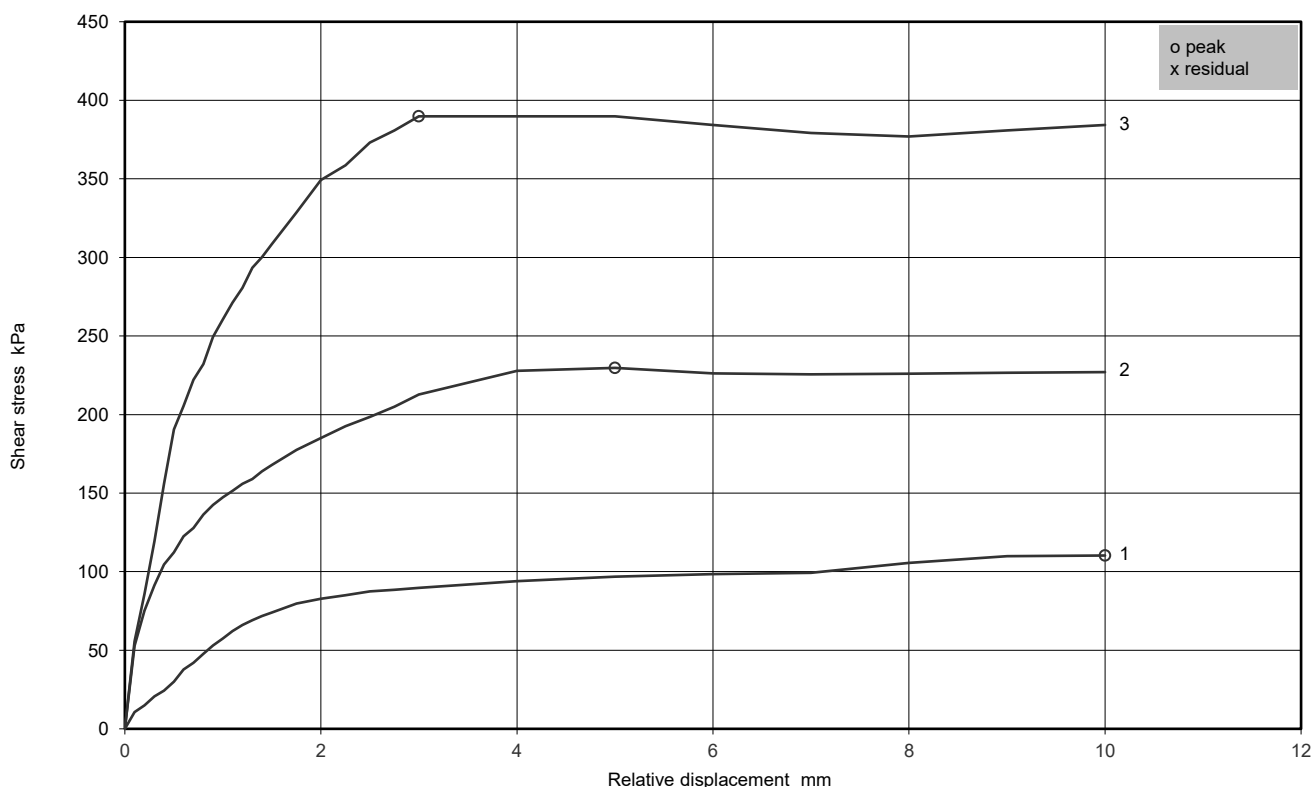
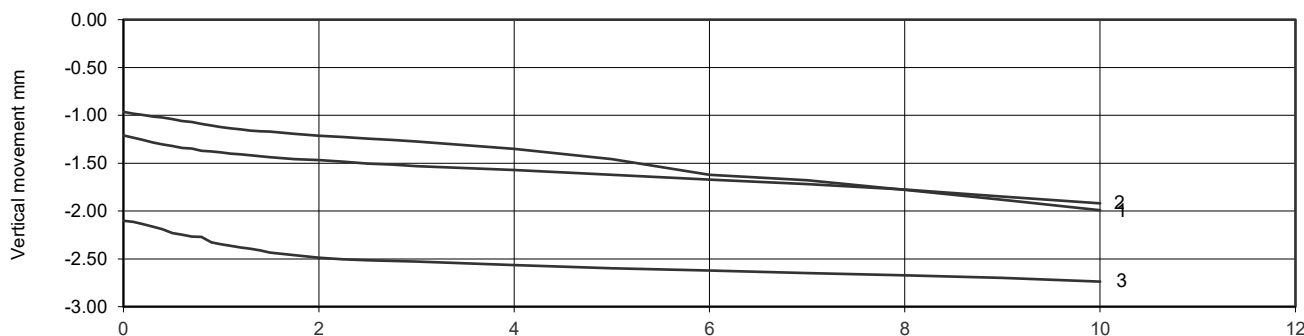


|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J327997        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-102         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 13.6           |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2025112510 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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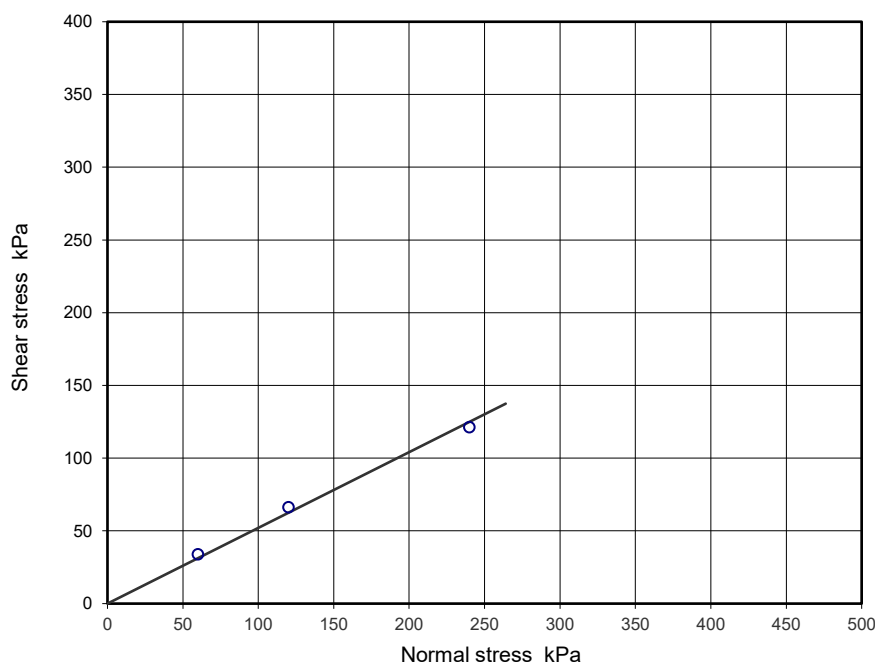
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-103         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown silty SAND                                                                     |                |   | Depth m          | 1.2            |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010620 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 26/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.0   | 26.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.68   | 1.68   | 1.68   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 18.9   | 18.9   | 18.9   |  |  | %                 |
|                  | Dry density                            |          | 1.41   | 1.41   | 1.41   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.879  | 0.879  | 0.879  |  |  |                   |
|                  | Degree of Saturation                   |          | 57     | 57     | 57     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 60     | 120    | 240    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.614 | -0.726 | -0.692 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.835  | 0.827  | 0.829  |  |  |                   |
| After test       | Final Moisture content                 |          | 23.0   | 22.8   | 22.2   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 7.00    | 6.00    | 4.00    |  |  |  | mm     |
|                      | Shear stress                                | 33.9    | 66.2    | 121.2   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.24   | -1.24   | -1.14   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 6.4 ]    | 0      |
| Ø'                 | degrees | [ 25.5 ]   | 27.5   |

#### Residual strength, (x)

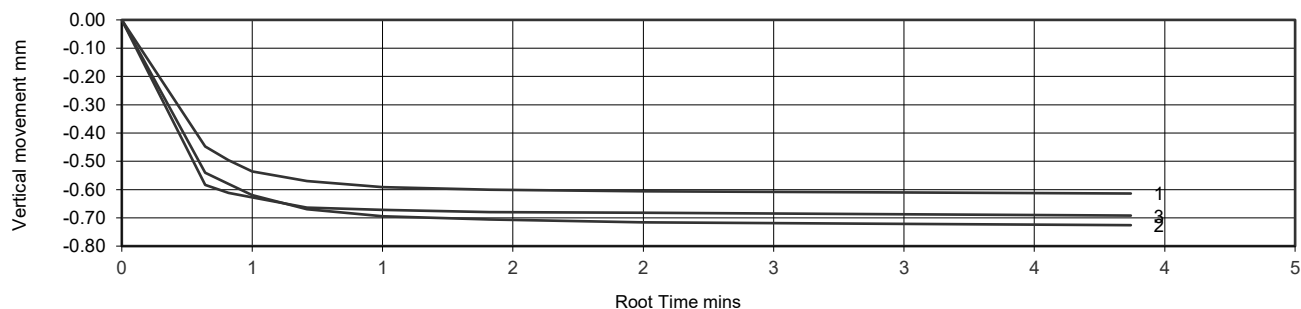
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

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| Remarks |
|         |

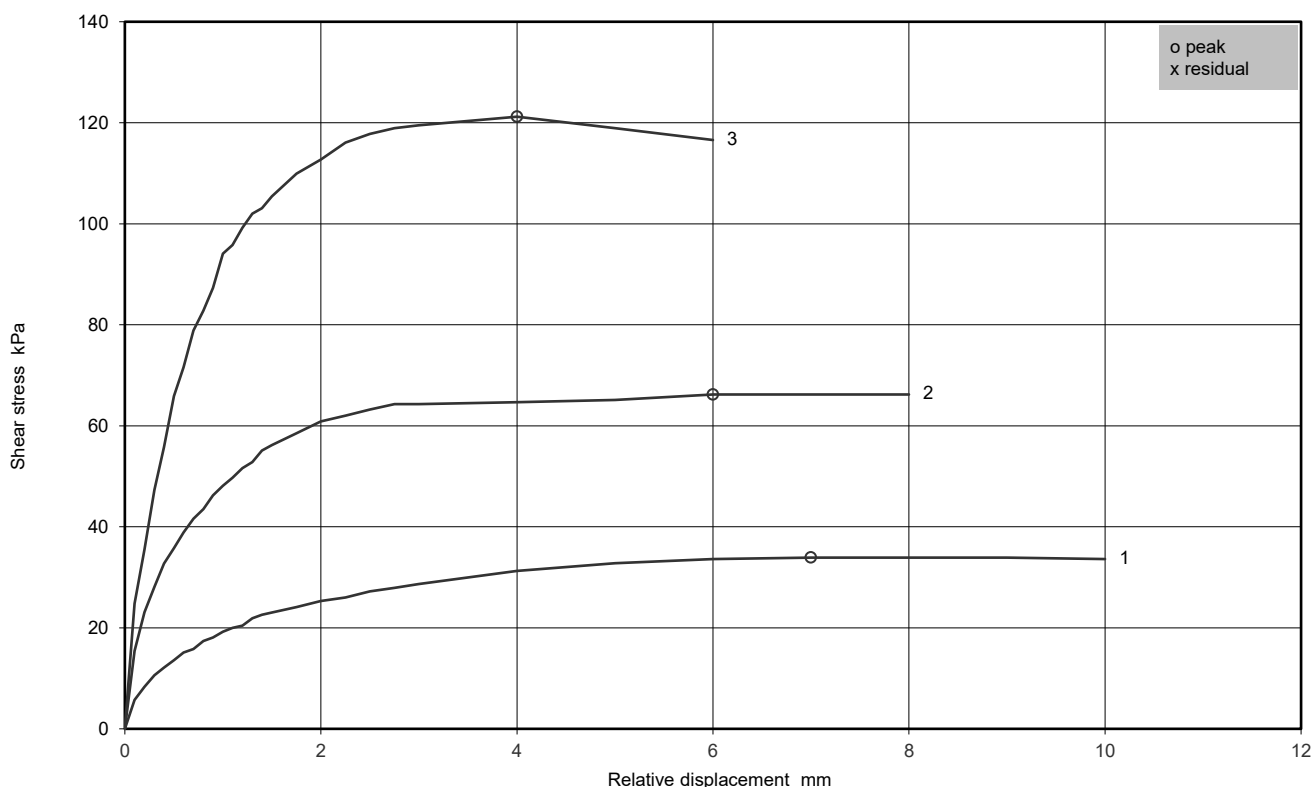
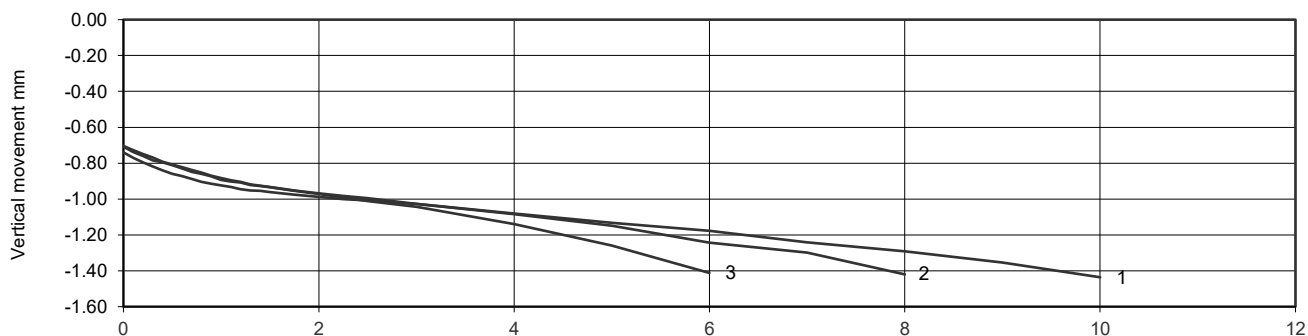
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|  | Date Printed |   | SSB |
|  | 27/02/2026   |                                                                                                                                                                            |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-103         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown silty SAND                                                          |                |  |   | Depth m          | 1.2            |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010620 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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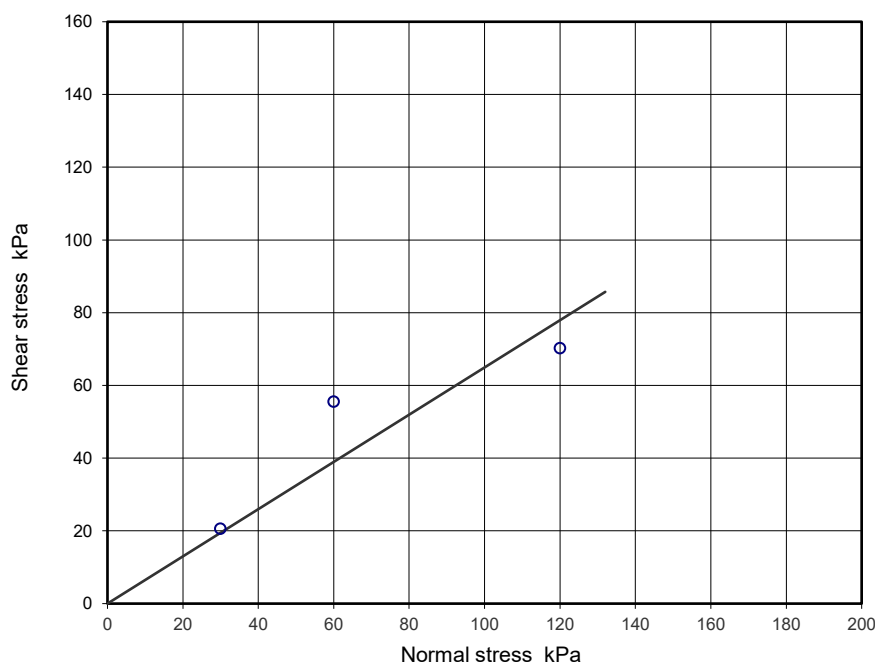
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-104         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Light brown slightly gravelly SAND                                                   |                |   | Depth m          | 2.5            |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010621 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 26/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.3   | 26.3   |  |  | mm                |
|                  | Bulk Density                           |          | 1.95   | 1.95   | 1.95   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 21.0   | 21.0   | 21.0   |  |  | %                 |
|                  | Dry density                            |          | 1.61   | 1.61   | 1.61   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.646  | 0.646  | 0.646  |  |  |                   |
|                  | Degree of Saturation                   |          | 86     | 86     | 86     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 30     | 60     | 120    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.008 | -0.116 | -0.254 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.646  | 0.639  | 0.630  |  |  |                   |
| After test       | Final Moisture content                 |          | 21.8   | 21.6   | 22.1   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 1.10    | 1.30    | 2.00    |  |  |  | mm     |
|                      | Shear stress                                | 20.6    | 55.5    | 70.2    |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | 0.10    | -0.01   | -0.25   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 13 ]     | 0      |
| Ø'                 | degrees | [ 27.0 ]   | 33     |

#### Residual strength, (x)

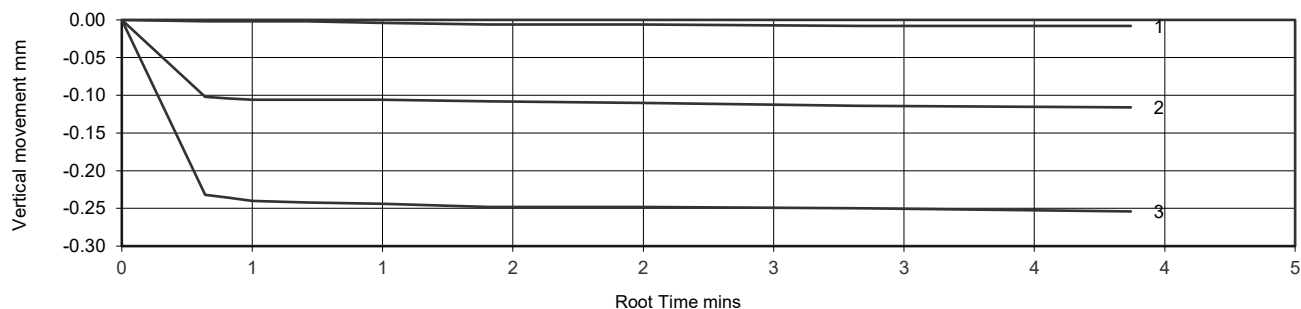
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

|         |
|---------|
| Remarks |
|         |

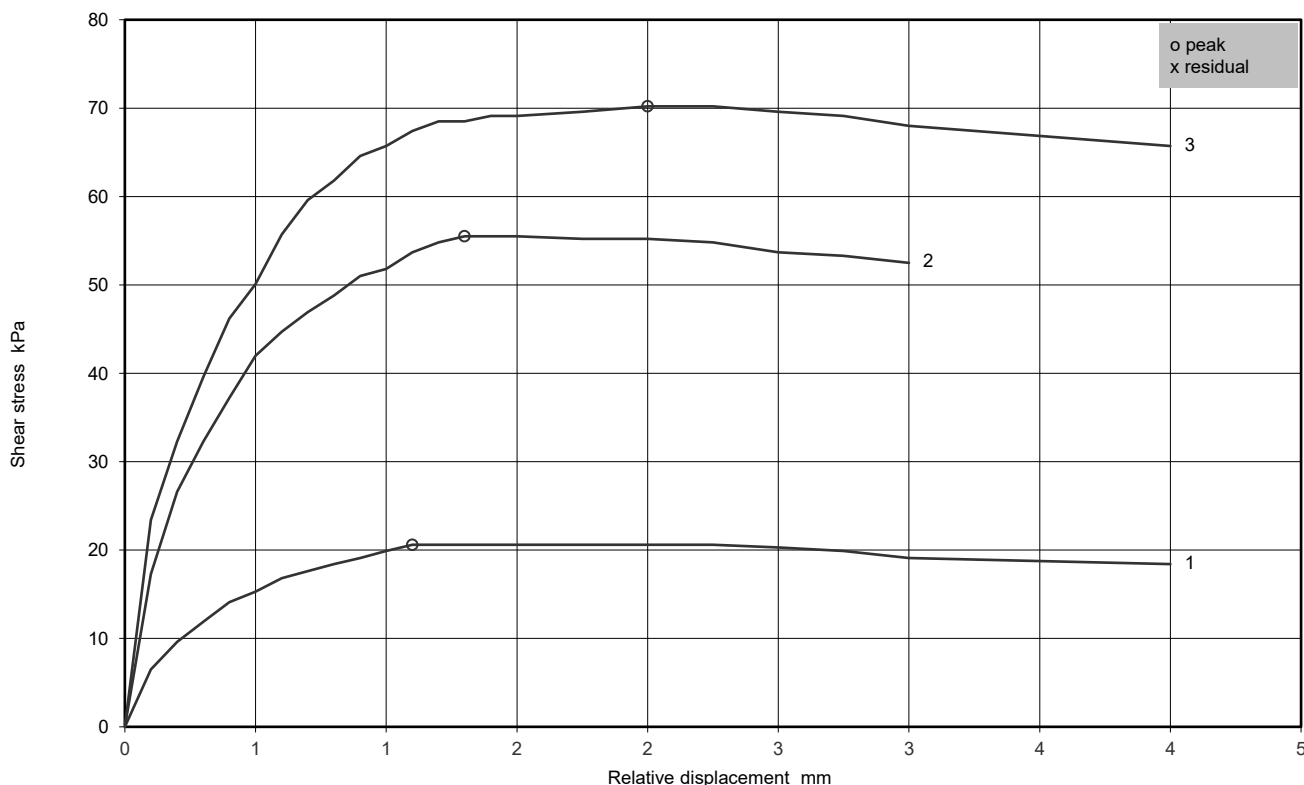
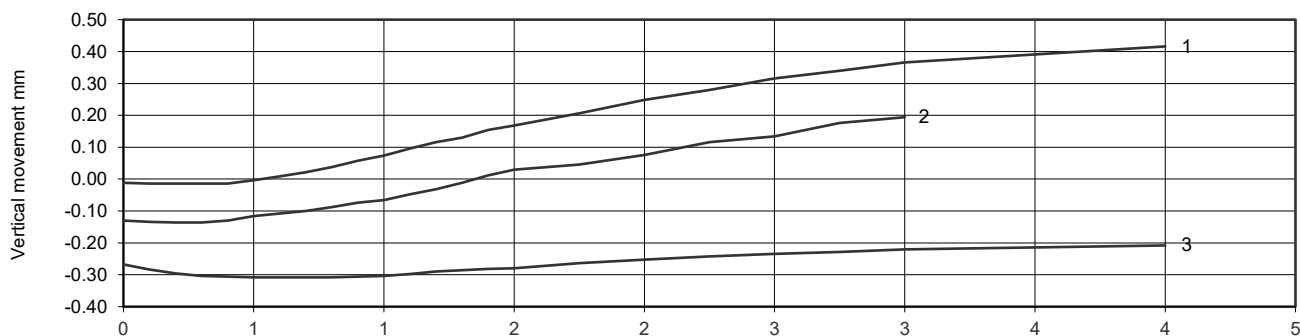
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|--|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|  | Date Printed |   | SSB |
|  | 27/02/2026   |                                                                                                                                                                            |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-104         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Light brown slightly gravelly SAND                                        |                |  |   | Depth m          | 2.5            |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010621 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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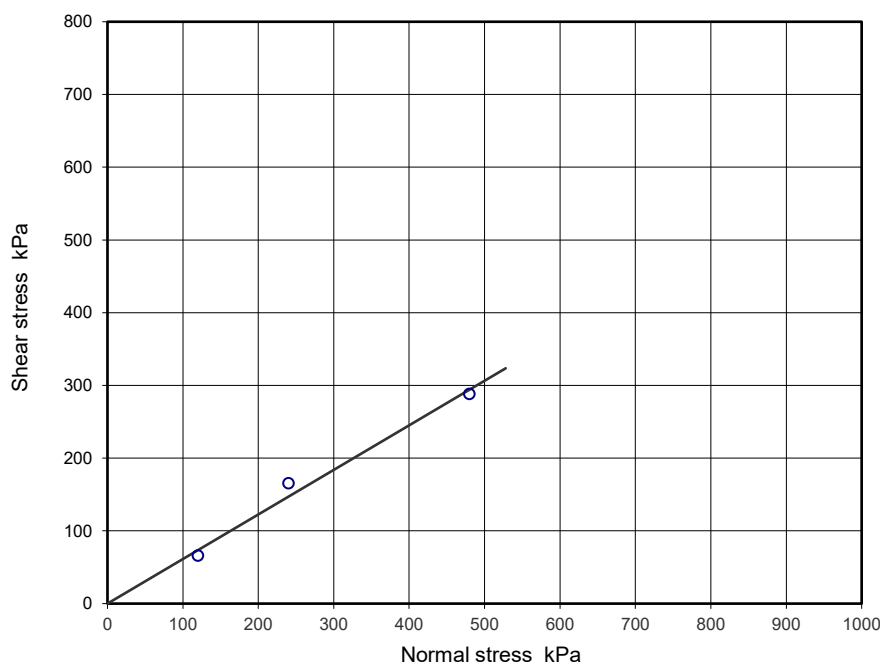
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-104         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 8              |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010622 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 03/03/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 26.1   | 26.1   | 26.1   |  |  | mm    |
|                  | Bulk Density                           |          | 1.81   | 1.81   | 1.81   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 23.2   | 23.2   | 23.2   |  |  | %     |
|                  | Dry density                            |          | 1.47   | 1.47   | 1.47   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.803  | 0.803  | 0.803  |  |  |       |
|                  | Degree of Saturation                   |          | 77     | 77     | 77     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 120    | 240    | 480    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.498 | -0.628 | -0.712 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.769  | 0.760  | 0.754  |  |  |       |
| After test       | Final Moisture content                 |          | 23.4   | 22.3   | 21.7   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 5.00    | 4.00    | 3.00    |  |  |  | mm     |
|                      | Shear stress                                | 66.0    | 165.3   | 287.9   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.63   | -0.77   | -0.87   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 4.7 ]    | 0      |
| Ø'                 | degrees | [ 31.0 ]   | 31.5   |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

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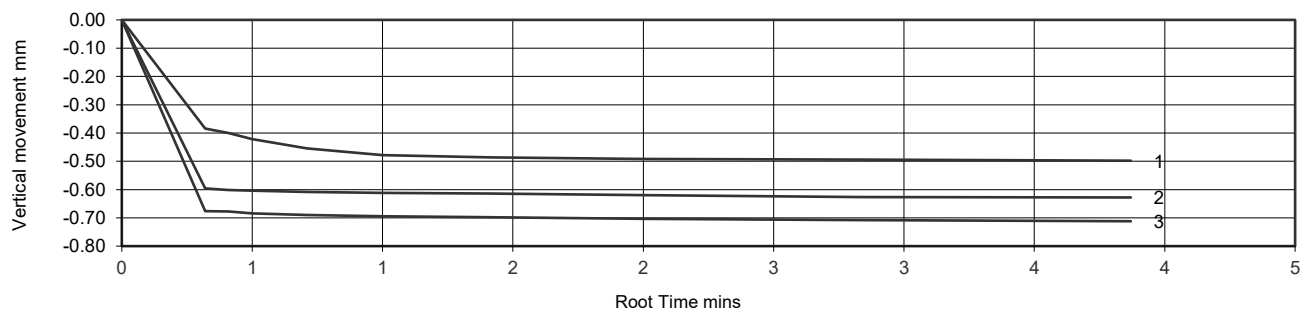
04/03/2026



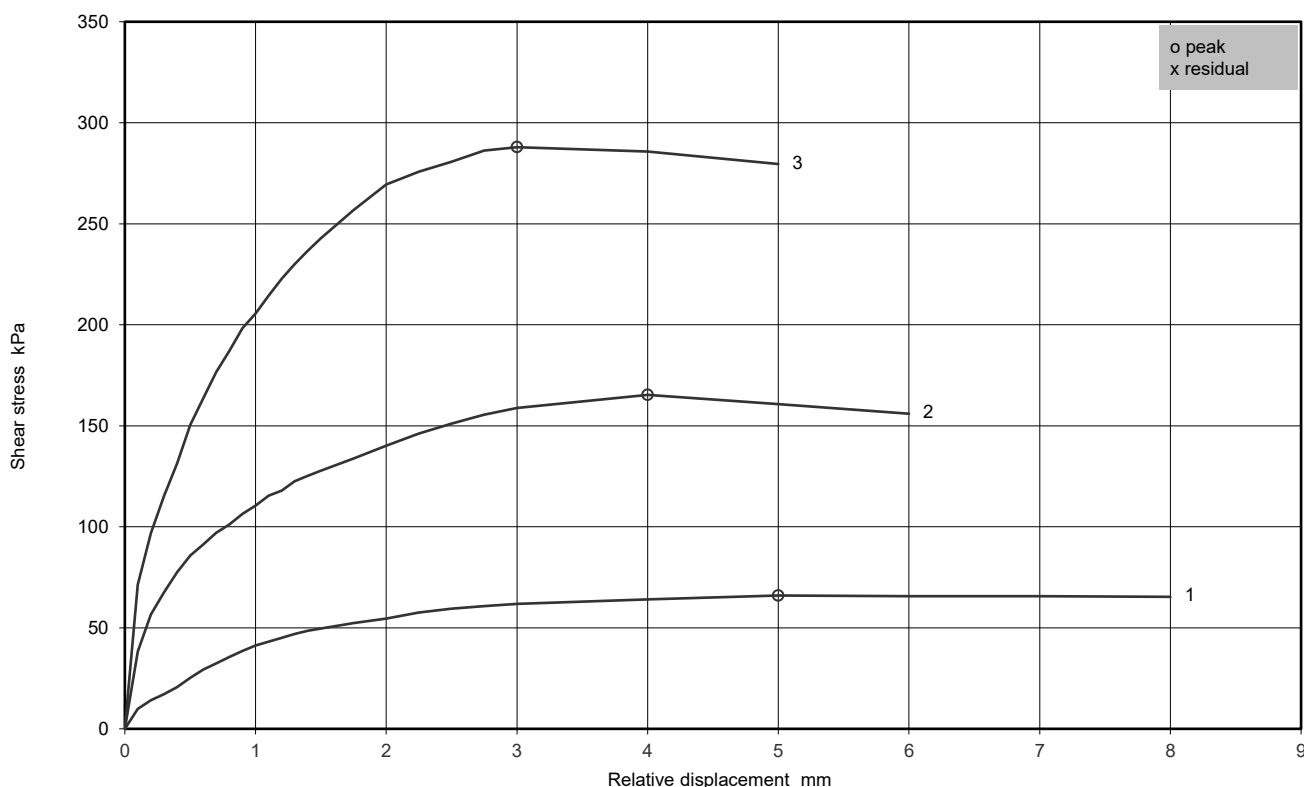
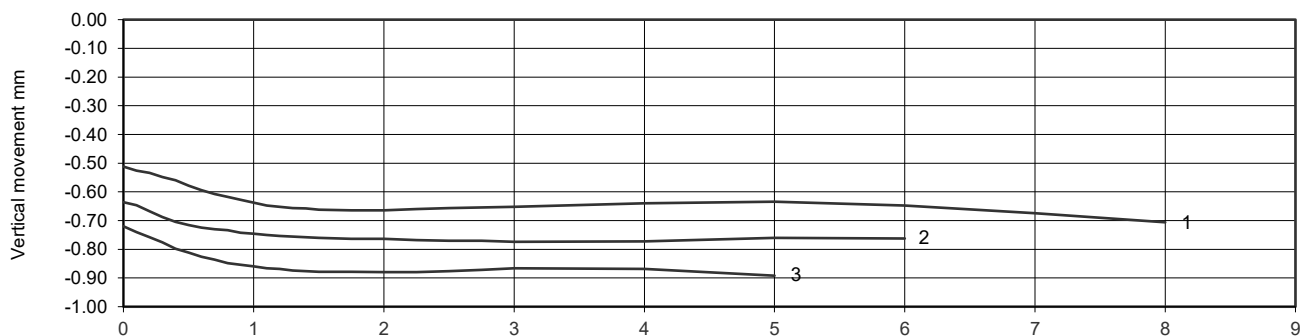
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|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-104         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 8              |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010622 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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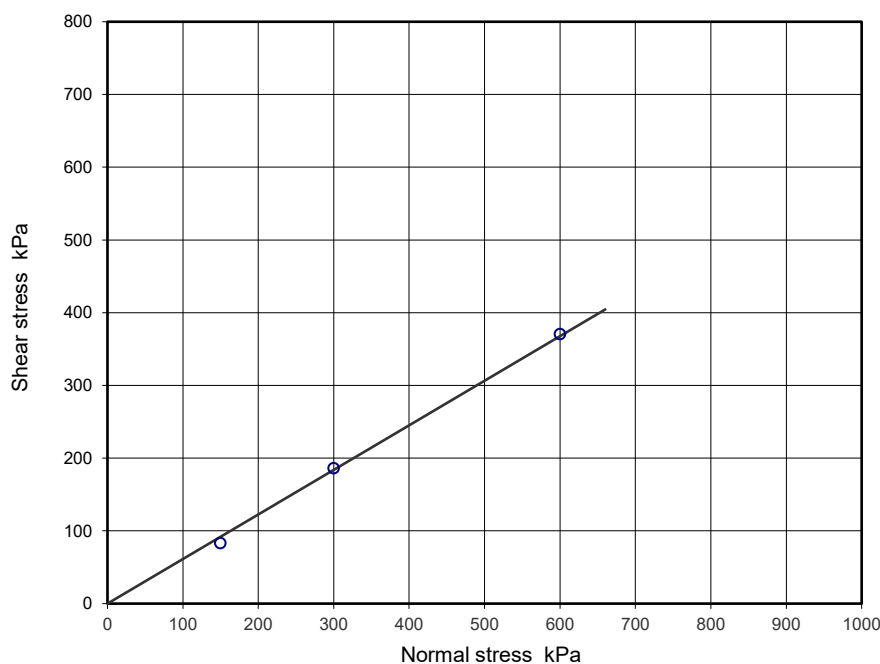
|                                 |                                                                                      |                |   |                  |                |
|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-104         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 11             |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010623 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 03/03/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.3   | 26.3   | 26.3   |  |  | mm                |
|                  | Bulk Density                           |          | 1.75   | 1.75   | 1.75   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 15.0   | 15.0   | 15.0   |  |  | %                 |
|                  | Dry density                            |          | 1.52   | 1.52   | 1.52   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.743  | 0.743  | 0.743  |  |  |                   |
|                  | Degree of Saturation                   |          | 53     | 53     | 53     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 150    | 300    | 600    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -1.172 | -1.342 | -2.004 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.665  | 0.654  | 0.610  |  |  |                   |
| After test       | Final Moisture content                 |          | 18.6   | 18.6   | 18.6   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 6.00    | 6.00    | 5.00    |  |  |  | mm     |
|                      | Shear stress                                | 83.2    | 185.9   | 370.3   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -1.83   | -1.81   | -2.36   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [-9.0]     | 0      |
| Ø'                 | degrees | [ 32.5 ]   | 31.5   |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

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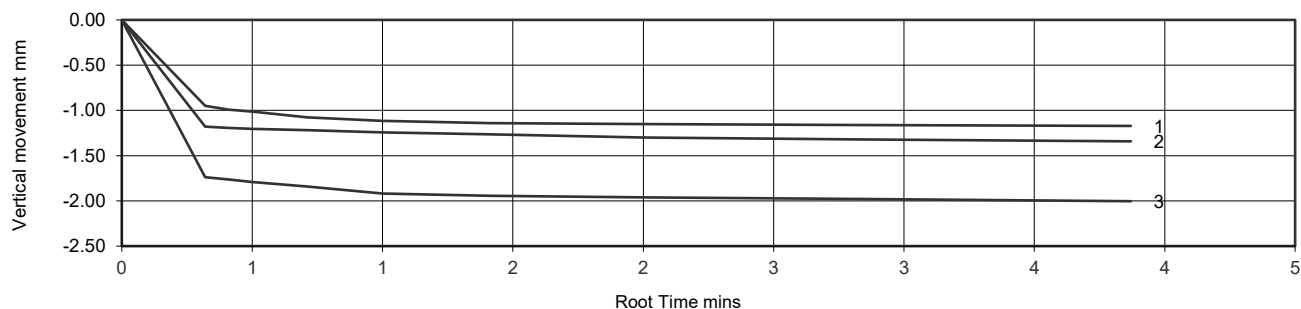


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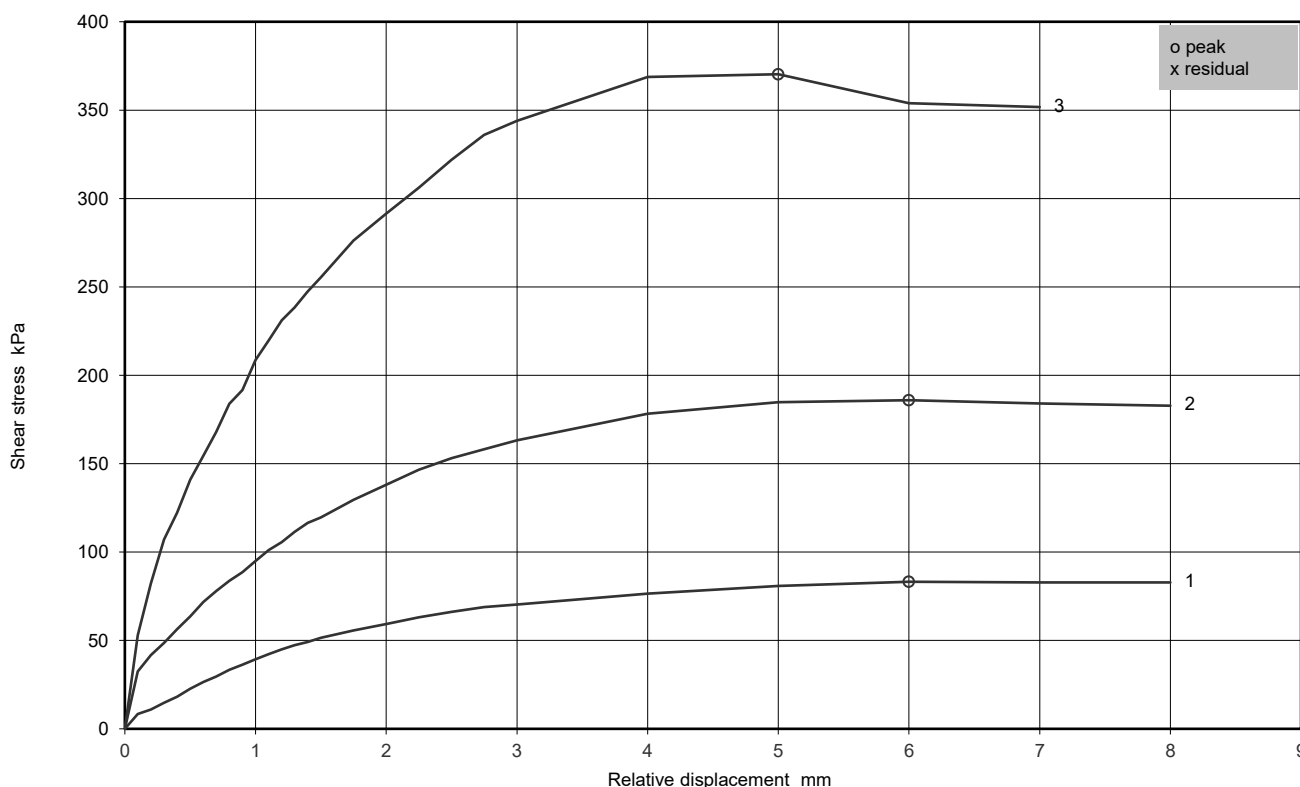
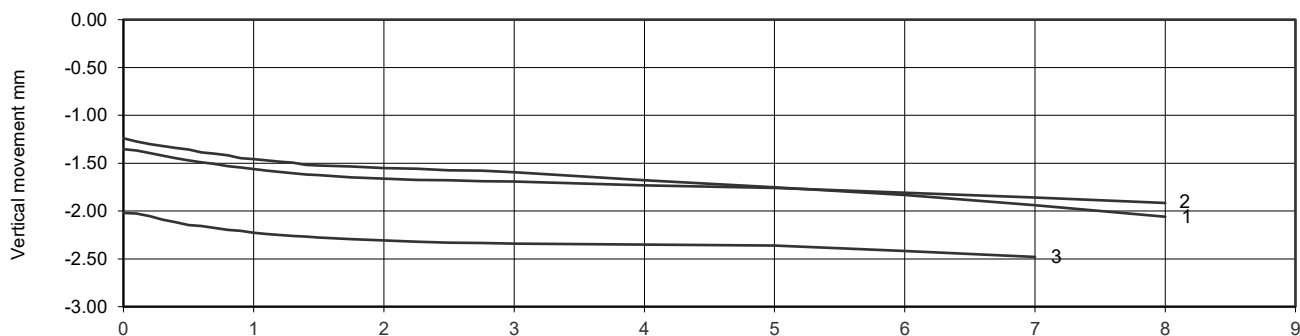


|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-104         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 11             |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010623 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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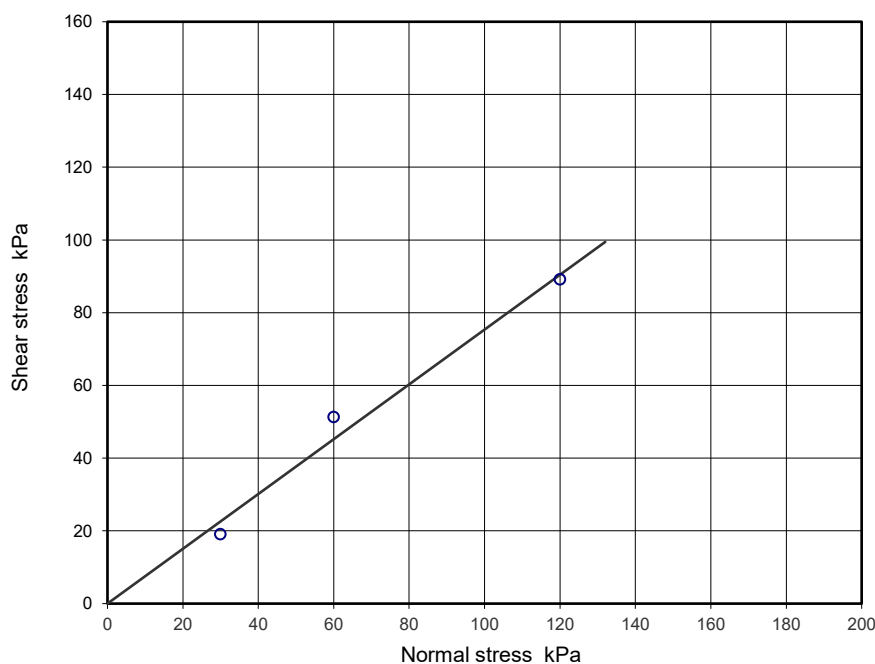
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-201         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                                   |                |   | Depth m          | 2              |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010627 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 26/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 26.1   | 26.1   | 26.1   |  |  | mm    |
|                  | Bulk Density                           |          | 1.72   | 1.72   | 1.72   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 11.8   | 11.8   | 11.8   |  |  | %     |
|                  | Dry density                            |          | 1.54   | 1.54   | 1.54   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.721  | 0.721  | 0.721  |  |  |       |
|                  | Degree of Saturation                   |          | 43     | 43     | 43     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 30     | 60     | 120    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.162 | -0.228 | -0.448 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.710  | 0.706  | 0.691  |  |  |       |
| After test       | Final Moisture content                 |          | 23.7   | 23.2   | 22.4   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 2.00    | 2.25    | 2.00    |  |  |  | mm     |
|                      | Shear stress                                | 19.1    | 51.3    | 89.1    |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.08   | -1.94   | -0.37   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 0.2 ]    | 0      |
| Ø'                 | degrees | [ 37.0 ]   | 37     |

#### Residual strength, (x)

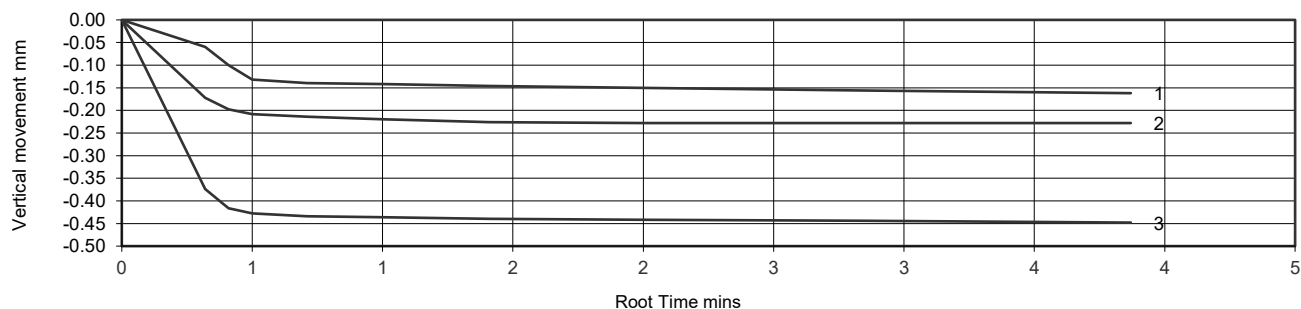
|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

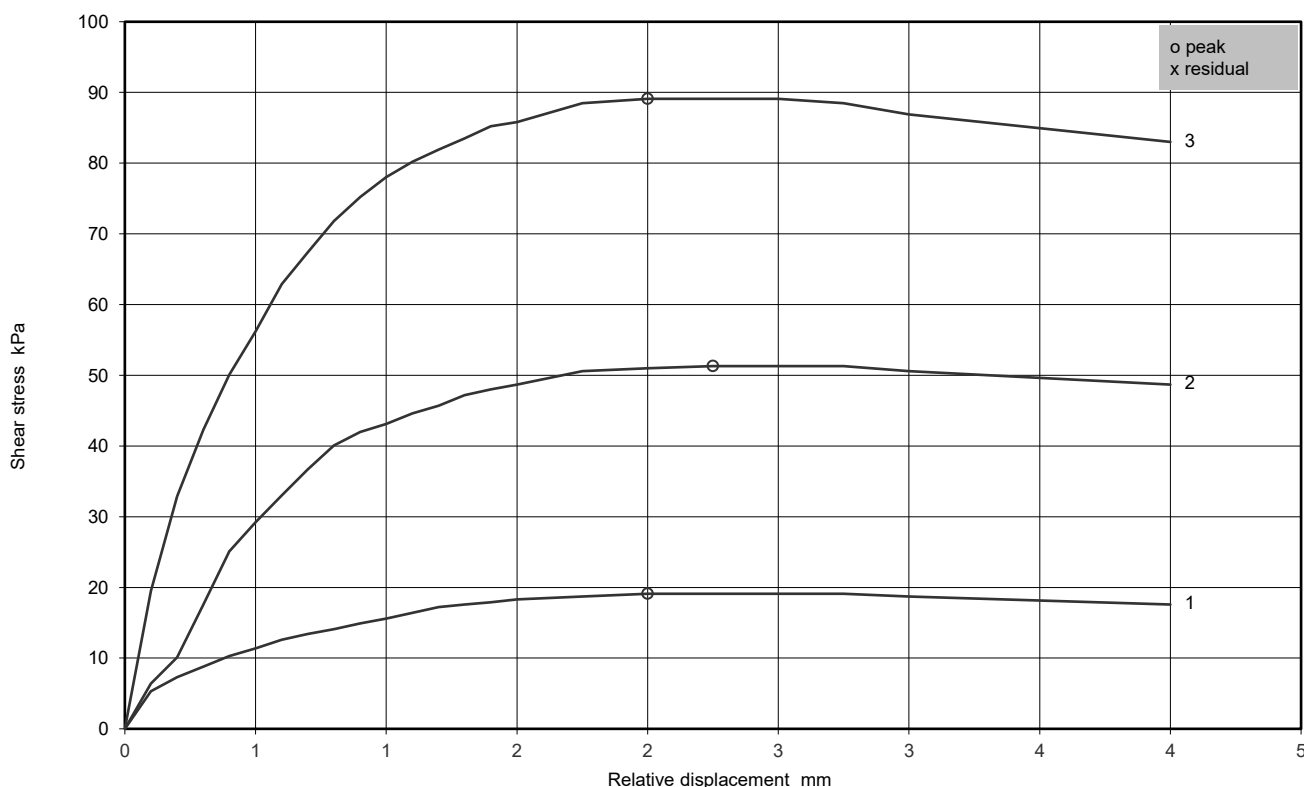
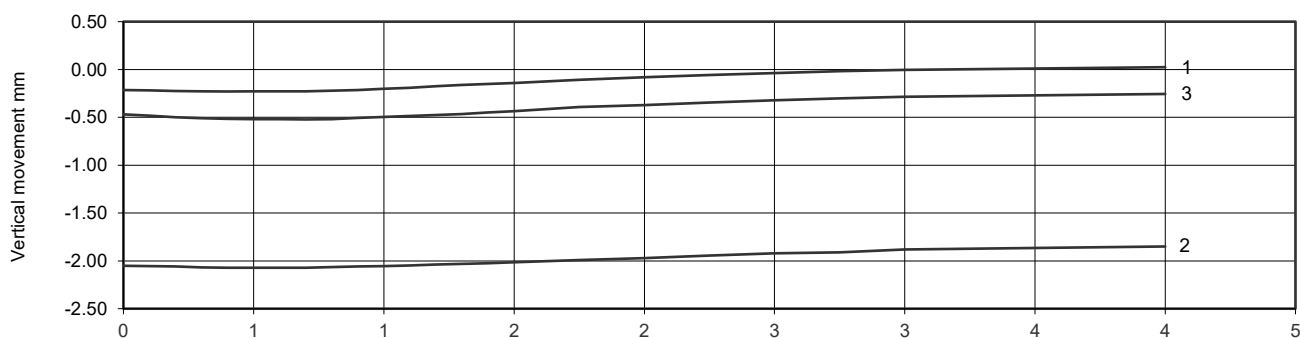
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|--|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|  | Date Printed |   | SSB |
|  | 27/02/2026   |                                                                                                                                                                            |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-201         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown slightly gravelly silty SAND                                        |                |  |   | Depth m          | 2              |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010627 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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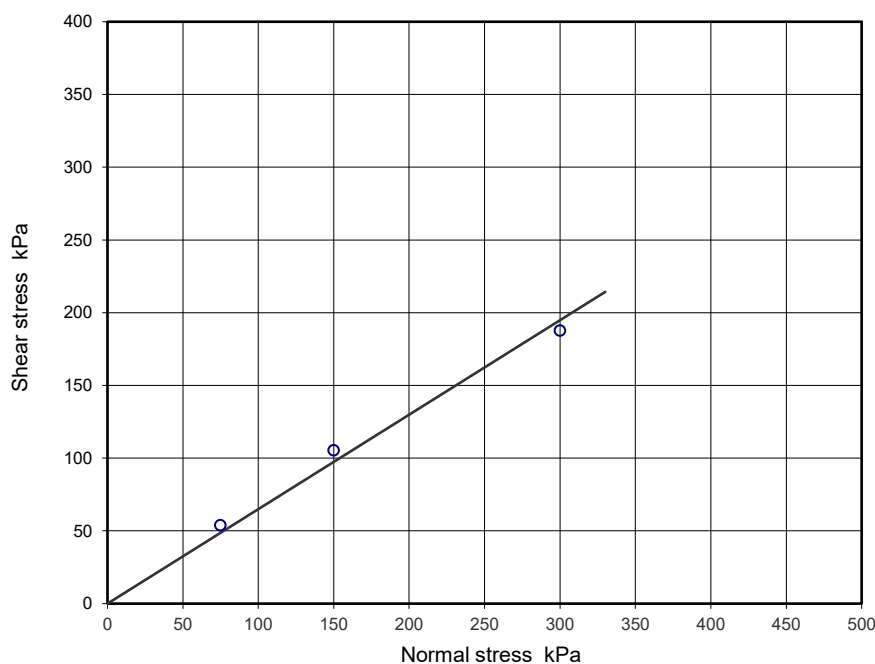
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| QQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-201         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown SAND                                                                           |                |   | Depth m          | 4              |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010628 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 03/03/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |                   |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------------------|
| Initial          | Height                                 |          | 26.1   | 26.0   | 26.1   |  |  | mm                |
|                  | Bulk Density                           |          | 1.92   | 1.92   | 1.92   |  |  | Mg/m <sup>3</sup> |
|                  | Moisture Content                       |          | 27.1   | 27.1   | 27.1   |  |  | %                 |
|                  | Dry density                            |          | 1.51   | 1.51   | 1.51   |  |  | Mg/m <sup>3</sup> |
|                  | Voids ratio                            |          | 0.755  | 0.755  | 0.755  |  |  |                   |
|                  | Degree of Saturation                   |          | 95     | 95     | 95     |  |  | %                 |
| Consolidation    | Consolidation / Normal Stress applied  |          | 75     | 150    | 300    |  |  | kPa               |
|                  | Change in height during consolidation* |          | -0.146 | -0.320 | -0.498 |  |  | mm                |
|                  | Voids ratio after consolidation        |          | 0.745  | 0.733  | 0.721  |  |  |                   |
| After test       | Final Moisture content                 |          | 24.8   | 24.7   | 24.7   |  |  |                   |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 1.75    | 2.75    | 2.75    |  |  |  | mm     |
|                      | Shear stress                                | 53.8    | 105.3   | 187.7   |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.22   | -0.43   | -0.59   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ 13 ]     | 0      |
| Ø'                 | degrees | [ 30.5 ]   | 33     |

#### Residual strength, (x)

|     |         |              |   |
|-----|---------|--------------|---|
| c'R | kPa     | not assessed | - |
| Ø'R | degrees | not assessed | - |

#### Remarks

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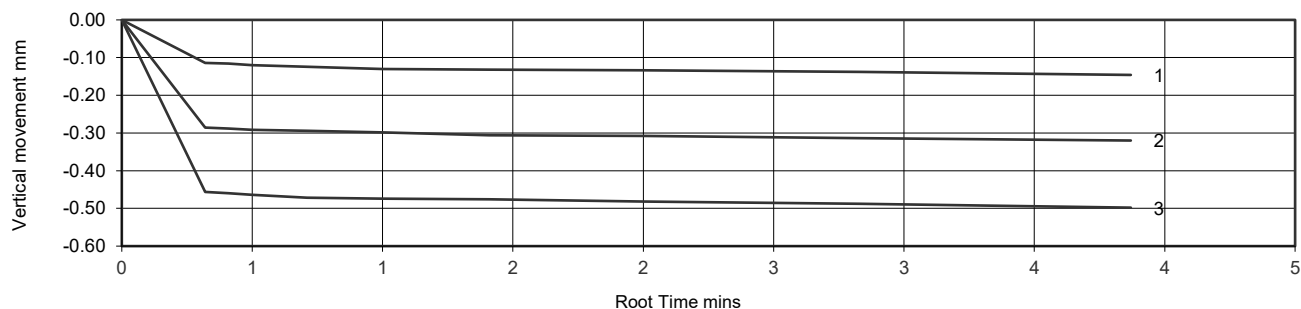
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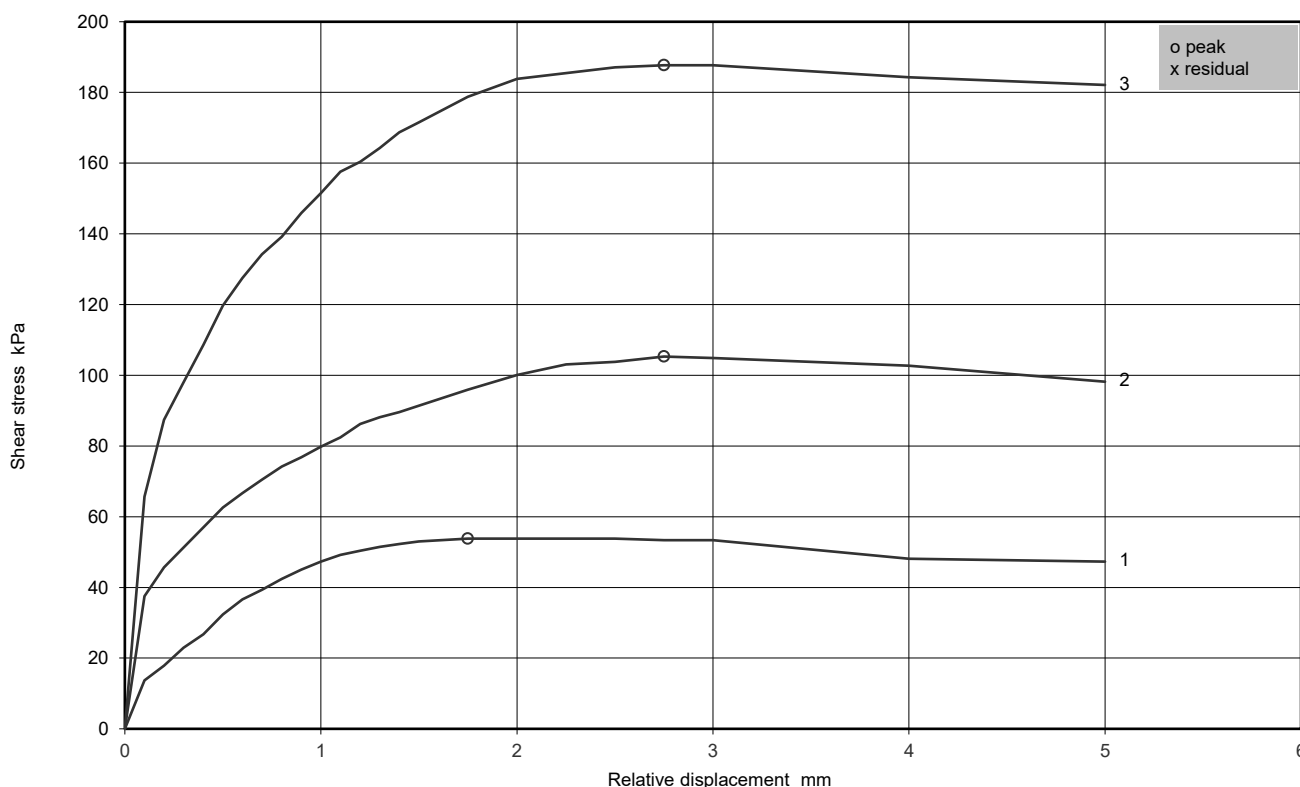
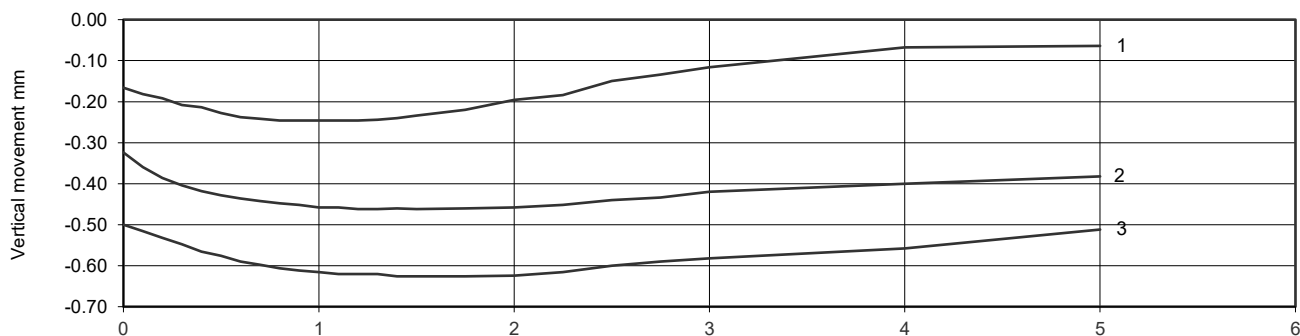
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|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-201         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown SAND                                                                |                |  |   | Depth m          | 4              |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010628 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

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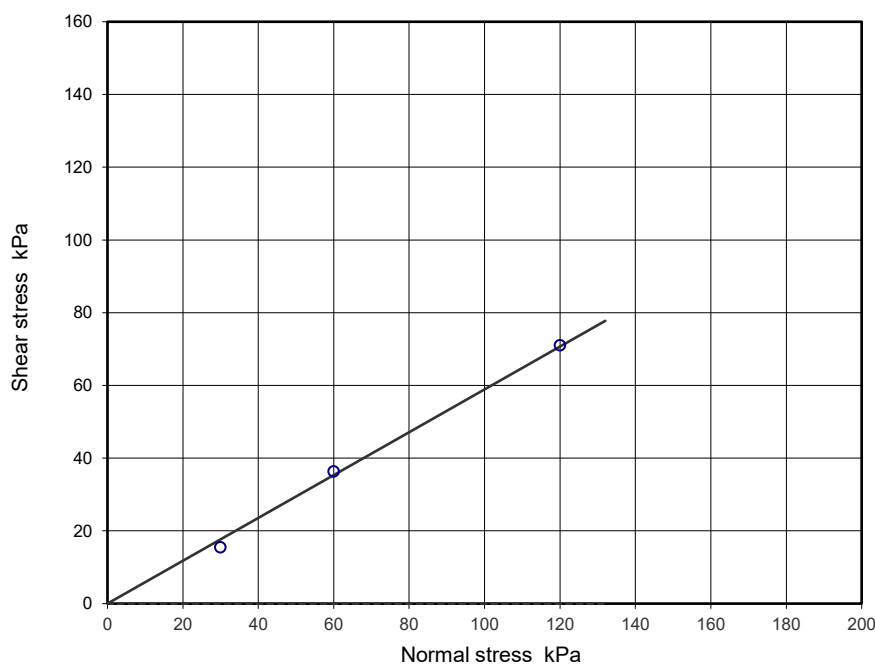
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|---------------------------------|--------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-64<br>Issue 01 - Oct 22 | <b>Determination of shear strength using the<br/>Small Direct Shearbox Apparatus</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                      |                |   | Borehole/Pit No. | CP-202         |
| Project Name                    | Marine GI - Ardersier Port                                                           |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                                   |                |   | Depth m          | 2              |
| Specimen Reference              |                                                                                      | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            |                                                                                      |                |   | KeyLAB ID        | TTLP2026010629 |
| Test Method                     | BS EN ISO 17892-10:2018                                                              |                |   | Date of test     | 26/02/2026     |

Preparation Details -2mm material. Recompactd to the relative density provided, at as received moisture content.

| Specimen Details |                                        | Test No. | 1      | 2      | 3      |  |  |       |
|------------------|----------------------------------------|----------|--------|--------|--------|--|--|-------|
| Initial          | Height                                 |          | 26.3   | 26.4   | 26.4   |  |  | mm    |
|                  | Bulk Density                           |          | 1.67   | 1.67   | 1.67   |  |  | Mg/m³ |
|                  | Moisture Content                       |          | 15.5   | 15.5   | 15.5   |  |  | %     |
|                  | Dry density                            |          | 1.45   | 1.45   | 1.45   |  |  | Mg/m³ |
|                  | Voids ratio                            |          | 0.828  | 0.828  | 0.828  |  |  |       |
|                  | Degree of Saturation                   |          | 50     | 50     | 50     |  |  | %     |
| Consolidation    | Consolidation / Normal Stress applied  |          | 30     | 60     | 120    |  |  | kPa   |
|                  | Change in height during consolidation* |          | -0.304 | -0.320 | -0.448 |  |  | mm    |
|                  | Voids ratio after consolidation        |          | 0.807  | 0.806  | 0.797  |  |  |       |
| After test       | Final Moisture content                 |          | 24.3   | 24.5   | 24.0   |  |  |       |

#### Shearing stage(s)

|                      |                                             |         |         |         |  |  |  |        |
|----------------------|---------------------------------------------|---------|---------|---------|--|--|--|--------|
| Rate of displacement | Peak                                        | 0.60000 | 0.60000 | 0.60000 |  |  |  | mm/min |
|                      | Residual                                    |         |         |         |  |  |  | mm/min |
| Peak values, (o)     | Relative horizontal displacement            | 5.00    | 4.00    | 6.00    |  |  |  | mm     |
|                      | Shear stress                                | 15.5    | 36.3    | 71.0    |  |  |  | kPa    |
|                      | Vertical Movement at peak shear stress*     | -0.52   | -0.51   | -0.63   |  |  |  | mm     |
| Residual values, (x) | No. of traverses ( including peak run )     | 1       | 1       | 1       |  |  |  |        |
|                      | Relative horizontal displacement            |         |         |         |  |  |  | mm     |
|                      | Shear stress                                |         |         |         |  |  |  | kPa    |
|                      | Vertical movement at residual shear stress* |         |         |         |  |  |  | mm     |



#### Shear Strength Parameters

| Peak strength, (o) |         | Regression | Manual |
|--------------------|---------|------------|--------|
| c'                 | kPa     | [ -1.9 ]   | 0      |
| Ø'                 | degrees | [ 31.5 ]   | 30.5   |

#### Residual strength, (x)

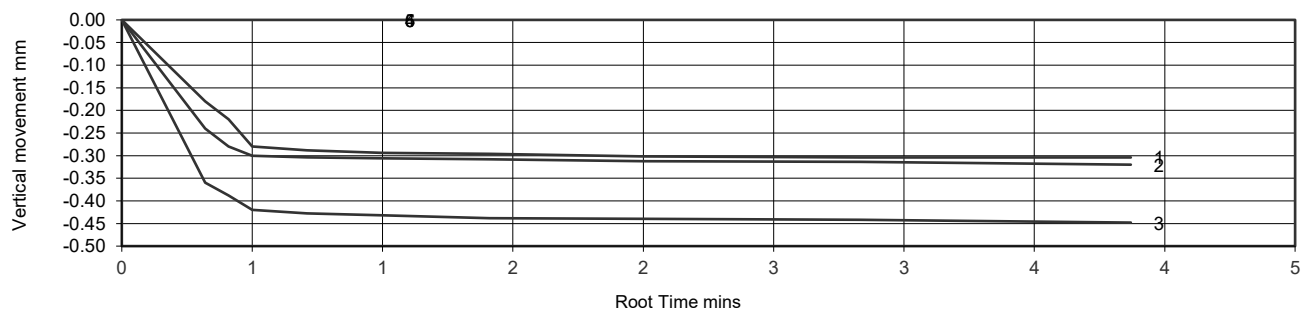
|                 |         |              |   |
|-----------------|---------|--------------|---|
| c' <sub>R</sub> | kPa     | not assessed | - |
| Ø' <sub>R</sub> | degrees | not assessed | - |

#### Remarks

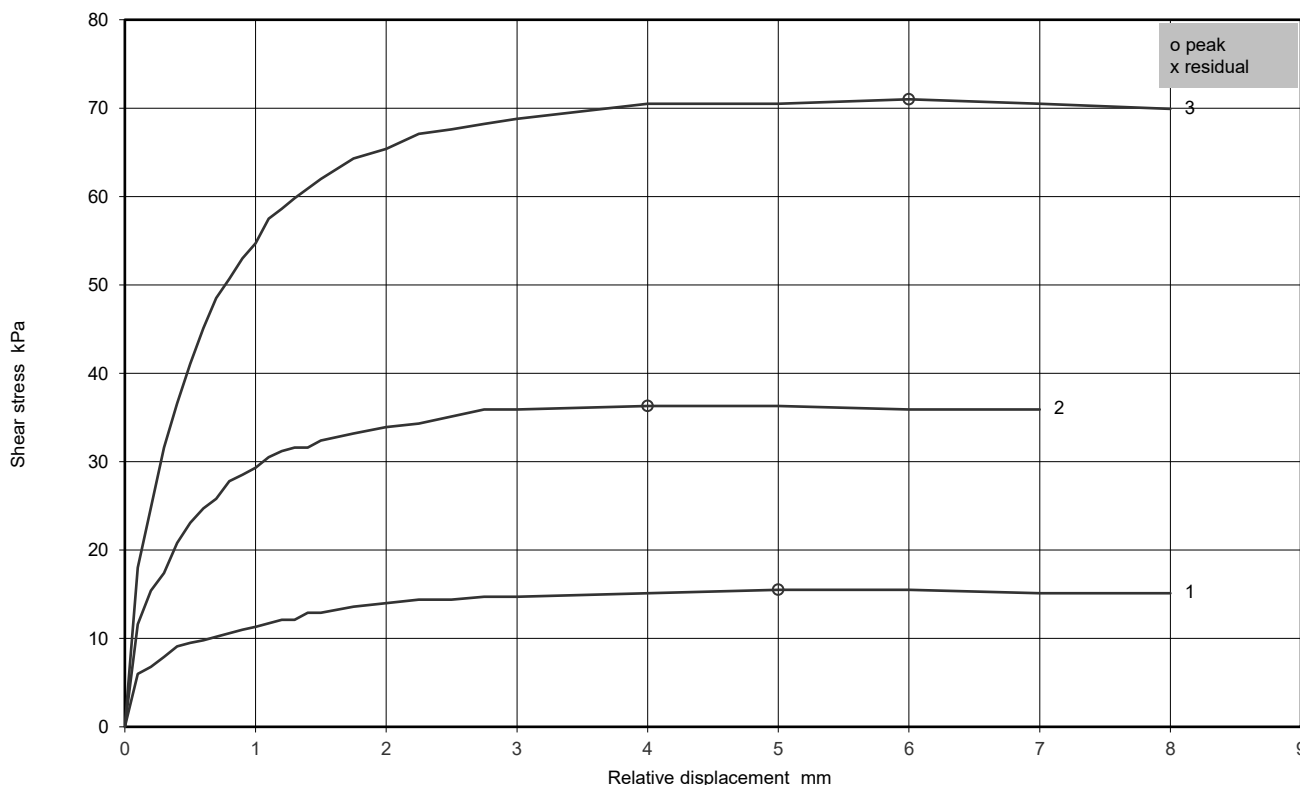
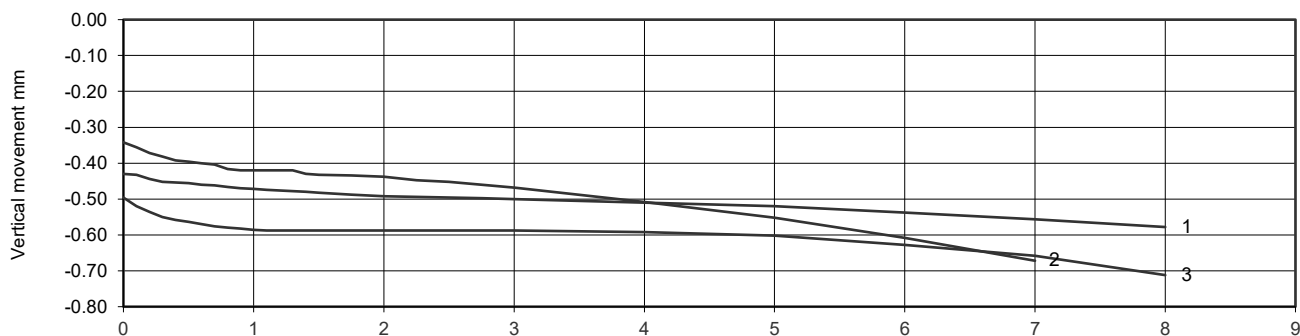
|  |              |                                                                                                                                                                            |     |
|--|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|  | Date Printed |   | SSB |
|  | 27/02/2026   |                                                                                                                                                                            |     |

|                      | Determination of shear strength using the Small Direct Shearbox Apparatus |                |  |   | Job Ref          | J331504        |
|----------------------|---------------------------------------------------------------------------|----------------|--|---|------------------|----------------|
|                      |                                                                           |                |  |   | Borehole/Pit No. | CP-202         |
| Project Name         | Marine GI - Ardersier Port                                                |                |  |   | Sample No.       |                |
| Soil Description     | Brown slightly gravelly silty SAND                                        |                |  |   | Depth m          | 2              |
| Specimen Reference   |                                                                           | Specimen Depth |  | m | Sample Type      | B              |
| Specimen Description |                                                                           |                |  |   | KeyLAB ID        | TTLP2026010629 |

#### Consolidation stage(s)



#### Shearing stage(s)



\*Note : Vertical movement/change in height is recorded as negative for reduced height (settlement) and positive for increased height (swell).

Date Printed

27/02/2026



SSB

|                                 |                                                                                    |                |   |                  |                |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                    |                |   | Borehole/Pit No. | BH-101         |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                |
| Soil Description                | Grey and brown silty SAND                                                          |                |   | Depth m          | 2.20           |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Greyish brown silty SAND.                                                          |                |   | KeyLAB ID        | TTLP2026010624 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                |

### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

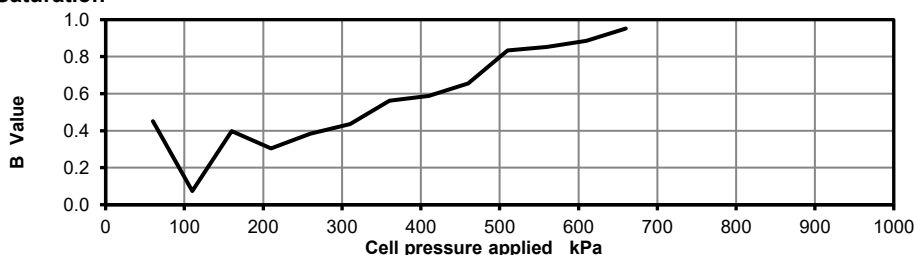
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.78    | 1.78  | Mg/m <sup>3</sup> |
| Water Content        | 20.9    | 27.3  | %                 |
| Dry density          | 1.48    | 1.40  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.796   | 0.892 |                   |
| Degree of saturation | 70      | 81    | %                 |

### Saturation

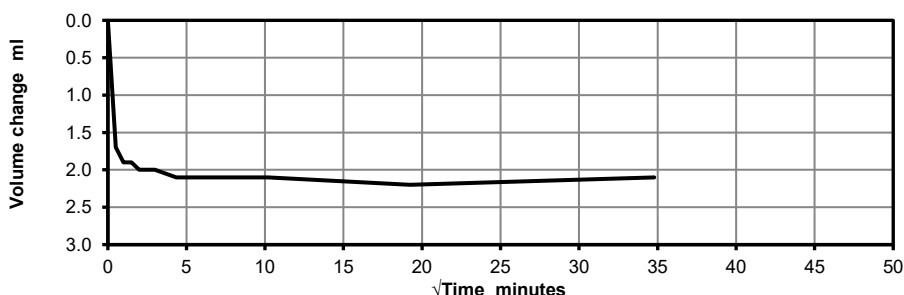


Method:

Increments of cell and back pressure

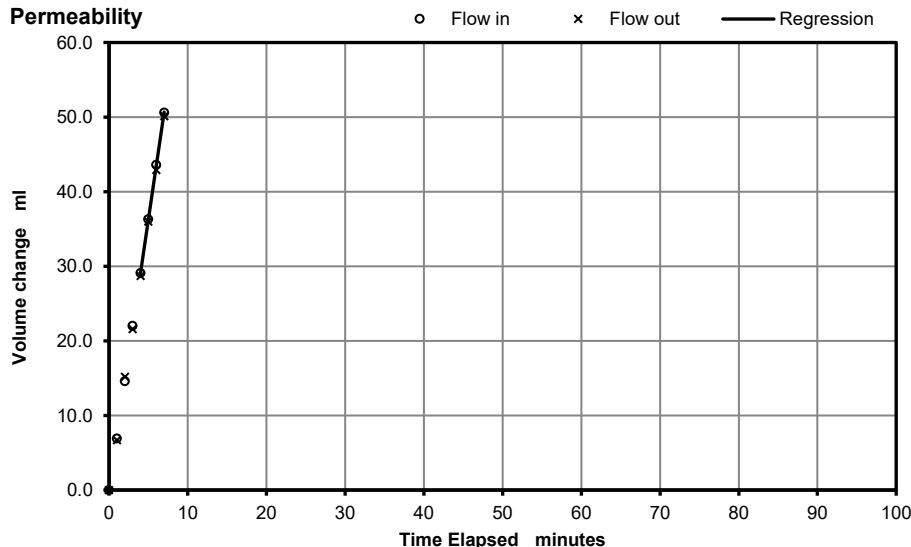
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 660  | kPa |
| Final pore water pressure | 651  | kPa |
| Final B Value             | 0.95 |     |

### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 700 kPa      |
| Back pressure applied | 650 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 686 kPa      |
| Final PWP             | 651 kPa      |
| PWP dissipation       | 98 %         |

### Permeability



Direction of Flow

|                       |      |     |
|-----------------------|------|-----|
| Cell Pressure         | 700  | kPa |
| Top Pressure          | 655  | kPa |
| Base Pressure         | 645  | kPa |
| Mean Effective Stress | 50   | kPa |
| Differential Pressure | 10   | kPa |
| Hydraulic gradient    | 10.6 |     |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 7.2 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.4 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10 kPa |
| Date Printed | 06/01/2026 |



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PERM



|                                 |                                                                                    |                |   |                  |                |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                    |                |   | Borehole/Pit No. | BH-102         |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                |
| Soil Description                | Grey and brown silty SAND                                                          |                |   | Depth m          | 3.50           |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Grey and brown silty SAND.                                                         |                |   | KeyLAB ID        | TTLP2026010630 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                |

### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ a workable MC

Size of material removed > 20 mm Proportion 0 %

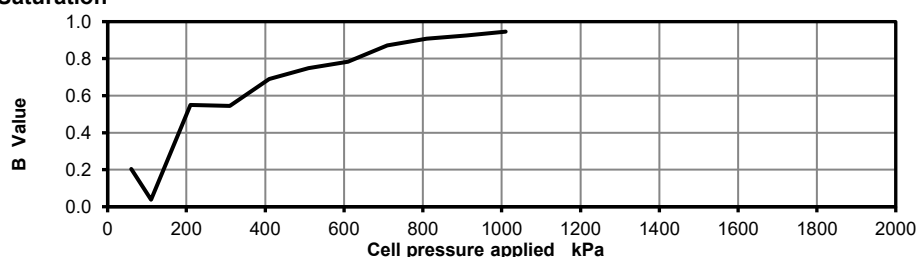
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.50    | 1.70  | Mg/m <sup>3</sup> |
| Water Content        | 6.6     | 26.8  | %                 |
| Dry density          | 1.40    | 1.34  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.887   | 0.973 |                   |
| Degree of saturation | 20      | 73    | %                 |

### Saturation

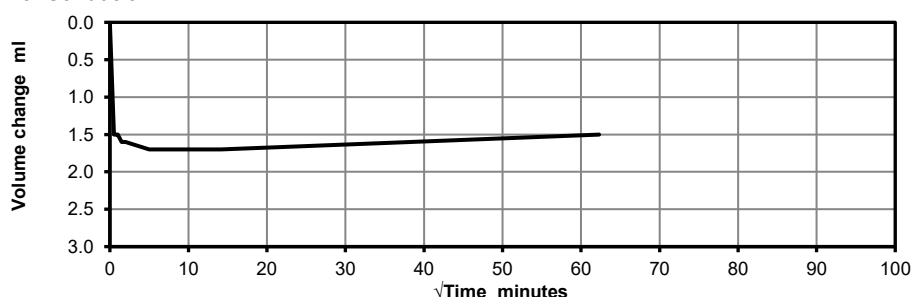


Method:

Increments of cell and back pressure

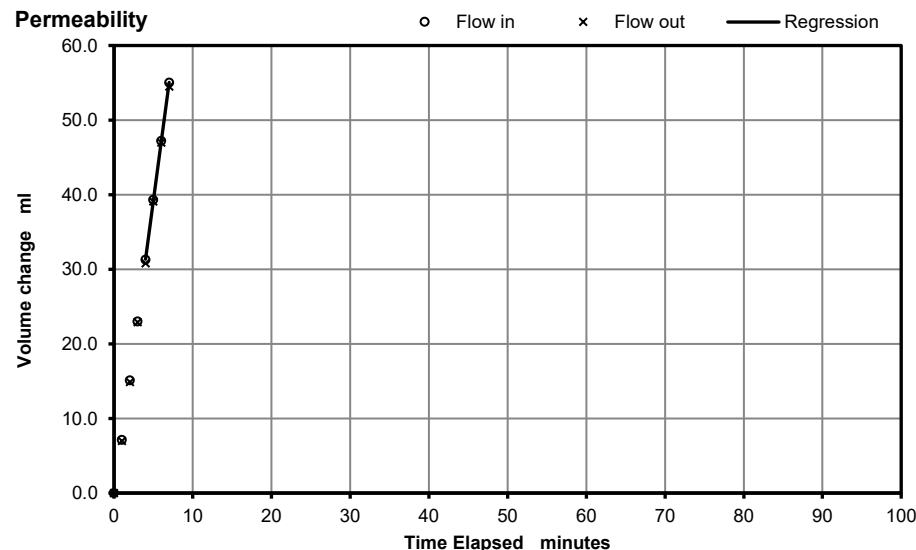
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 1010 | kPa |
| Final pore water pressure | 996  | kPa |
| Final B Value             | 0.95 |     |

### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 1050 kPa     |
| Back pressure applied | 1000 kPa     |
| Effective stress      | 50 kPa       |
| Initial PWP           | 1030 kPa     |
| Final PWP             | 1001 kPa     |
| PWP dissipation       | 96 %         |

### Permeability



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 1050 kPa  |
| Top Pressure          | 1005 kPa  |
| Base Pressure         | 995 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 7.9 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.5 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      |            |
| Date Printed | 06/01/2026 |



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|                                 |                                                                                    |                |   |                  |                 |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|-----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J328106         |
|                                 |                                                                                    |                |   | Borehole/Pit No. | BH-116          |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                 |
| Soil Description                | Dark brown slightly gravelly sandy organic CLAY                                    |                |   | Depth m          | 4.50            |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B               |
| Specimen Description            | Dark brown slightly gravelly sandy organic CLAY.                                   |                |   | KeyLAB ID        | TTLP20251127122 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                 |

### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received mc

Size of material removed > 20 mm Proportion 0 %

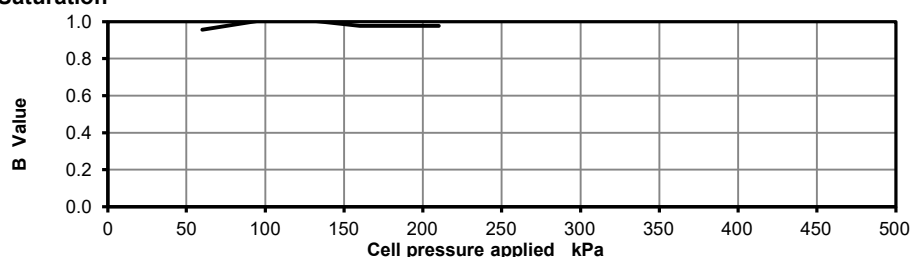
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.83    | 1.94  | Mg/m <sup>3</sup> |
| Water Content        | 30.1    | 30.5  | %                 |
| Dry density          | 1.40    | 1.48  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.888   | 0.785 |                   |
| Degree of saturation | 90      | 103   | %                 |

### Saturation

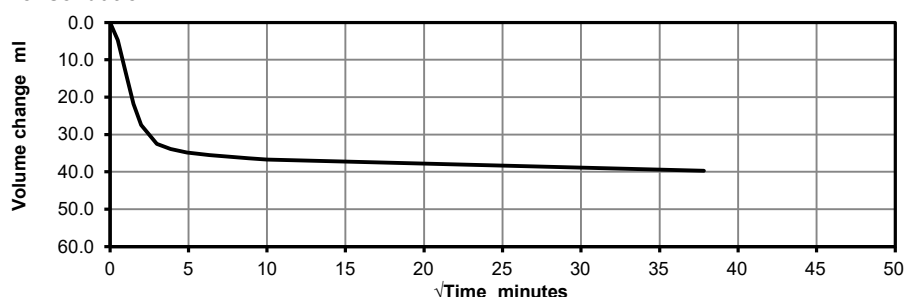


Method:

Increments of cell pressure only

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     |      | kPa |
| Final Cell Pressure       | 210  | kPa |
| Final pore water pressure | 206  | kPa |
| Final B Value             | 0.98 |     |

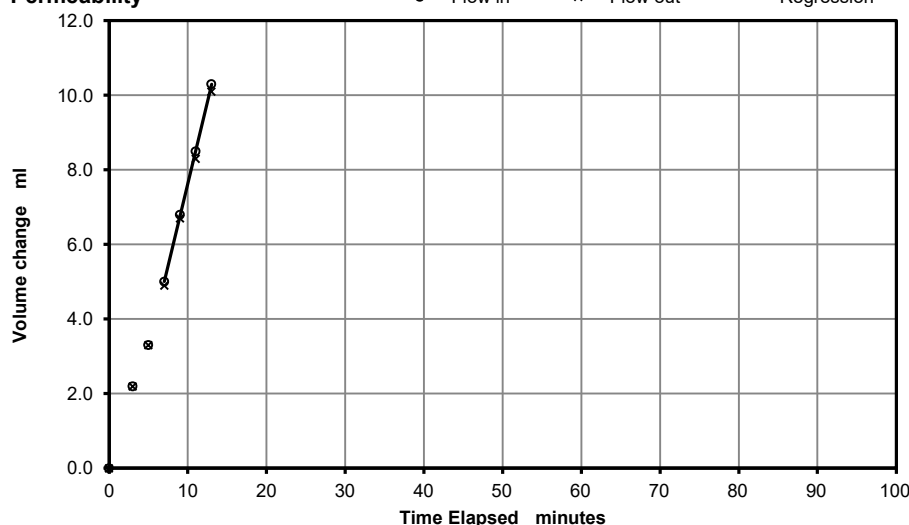
### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 400 kPa      |
| Back pressure applied | 350 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 394 kPa      |
| Final PWP             | 349 kPa      |
| PWP dissipation       | 103 %        |

### Permeability

o Flow in x Flow out — Regression



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 400 kPa   |
| Top Pressure          | 355 kPa   |
| Base Pressure         | 345 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 11.1      |

|                         |      |        |
|-------------------------|------|--------|
| Mean rate of flow       | 0.88 | ml/min |
| Temperature during test | 19   | °C     |

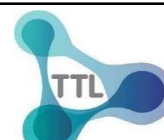
**PERMEABILITY,  $k_v$**   
( at 20°C )

$1.7 \times 10^{-7}$  m/s

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 28/11/2025 |



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**PERM**

|                                 |                                                                            |                |   |                  |               |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J327997       |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-101        |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |               |
| Soil Description                | Light brown slightly gravelly silty SAND                                   |                |   | Depth m          | 2.10          |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            | Light brown slightly gravelly silty SAND                                   |                |   | KeyLAB ID        | TTLP202511254 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |               |

#### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ received MC

Size of material removed > 16 mm Proportion 0 %

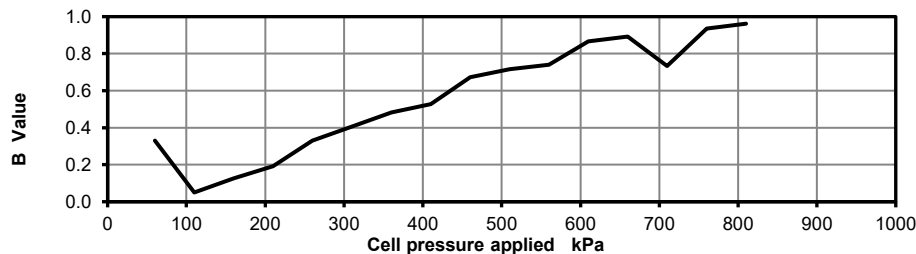
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.79    | 1.77  | Mg/m <sup>3</sup> |
| Water Content        | 23.1    | 26.0  | %                 |
| Dry density          | 1.46    | 1.41  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.819   | 0.886 |                   |
| Degree of saturation | 75      | 78    | %                 |

#### Saturation

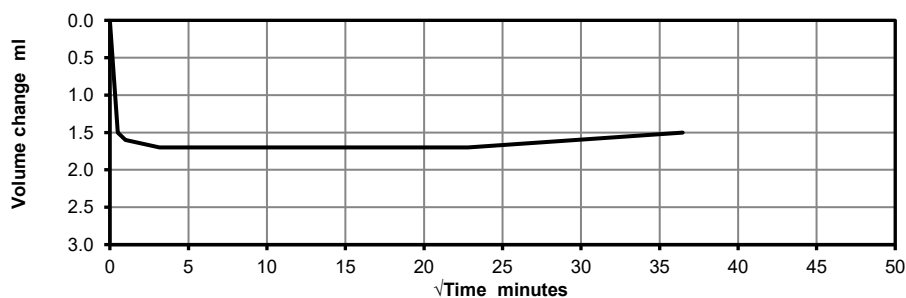


Method:

Increments of cell and back pressure

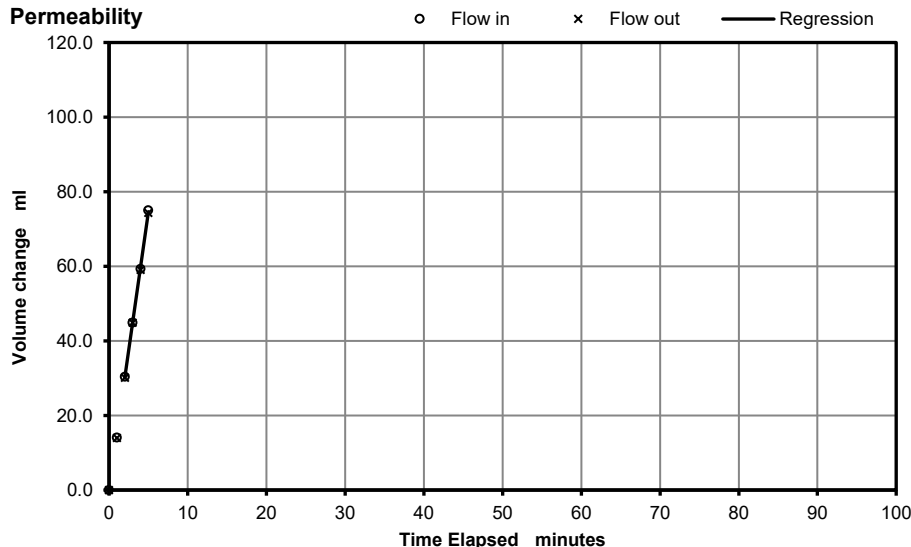
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 810  | kPa |
| Final pore water pressure | 802  | kPa |
| Final B Value             | 0.96 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 850 kPa      |
| Back pressure applied | 800 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 835 kPa      |
| Final PWP             | 800 kPa      |
| PWP dissipation       | 99 %         |

#### Permeability



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 850 kPa   |
| Top Pressure          | 805 kPa   |
| Base Pressure         | 795 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |    |        |
|-------------------------|----|--------|
| Mean rate of flow       | 15 | ml/min |
| Temperature during test | 20 | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$2.8 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 25/11/2025 |



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|                                 |                                                                            |                |   |                  |               |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J327997       |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-102        |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |               |
| Soil Description                | Light brown slightly gravelly silty SAND                                   |                |   | Depth m          | 1.40          |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            | Light brown slight gravelly silty SAND.                                    |                |   | KeyLAB ID        | TTLP202511258 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |               |

#### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ received MC

Size of material removed > 16 mm Proportion 0 %

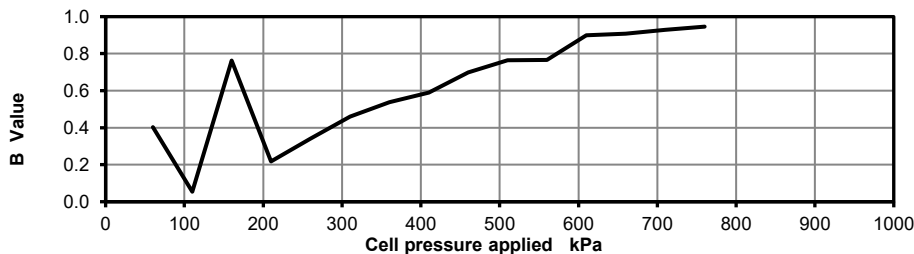
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.78    | 1.80  | Mg/m <sup>3</sup> |
| Water Content        | 24.5    | 27.3  | %                 |
| Dry density          | 1.43    | 1.41  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.852   | 0.874 |                   |
| Degree of saturation | 76      | 83    | %                 |

#### Saturation

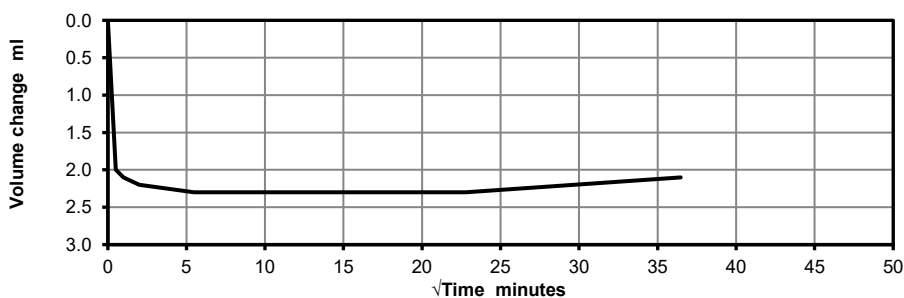


Method:

Increments of cell and back pressure

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 760  | kPa |
| Final pore water pressure | 750  | kPa |
| Final B Value             | 0.95 |     |

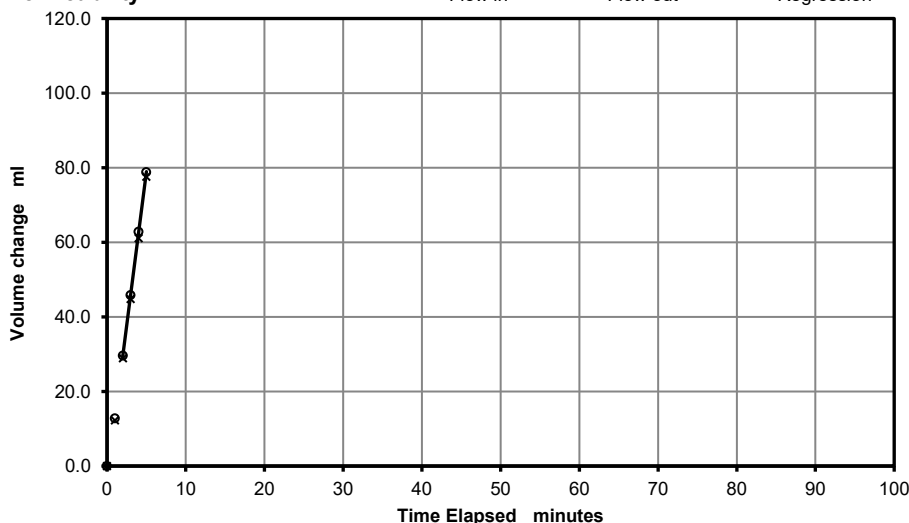
#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 810 kPa      |
| Back pressure applied | 750 kPa      |
| Effective stress      | 60 kPa       |
| Initial PWP           | 795 kPa      |
| Final PWP             | 752 kPa      |
| PWP dissipation       | 96 %         |

#### Permeability

○ Flow in × Flow out — Regression



|                         |           |
|-------------------------|-----------|
| Direction of Flow       | Downwards |
| Cell Pressure           | 810 kPa   |
| Top Pressure            | 755 kPa   |
| Base Pressure           | 745 kPa   |
| Mean Effective Stress   | 60 kPa    |
| Differential Pressure   | 10 kPa    |
| Hydraulic gradient      | 10.6      |
| Mean rate of flow       | 16 ml/min |
| Temperature during test | 20 °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$3.1 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 25/11/2025 |



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|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-103         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Brown silty SAND                                                           |                |   | Depth m          | 1.20           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown silty SAND.                                                          |                |   | KeyLAB ID        | TTLP2026010620 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

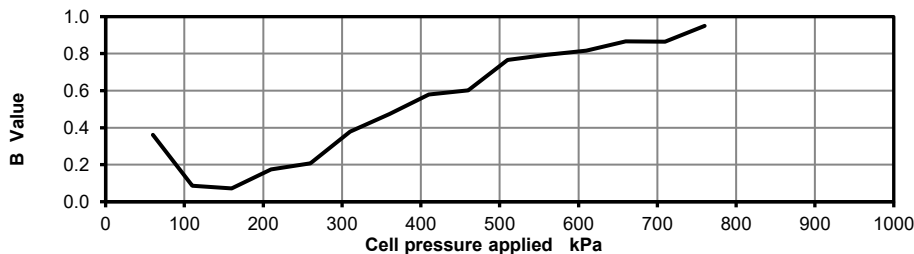
Average Length 95.7 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.79    | 1.80  | Mg/m <sup>3</sup> |
| Water Content        | 22.3    | 26.6  | %                 |
| Dry density          | 1.46    | 1.42  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.812   | 0.863 |                   |
| Degree of saturation | 73      | 82    | %                 |

#### Saturation

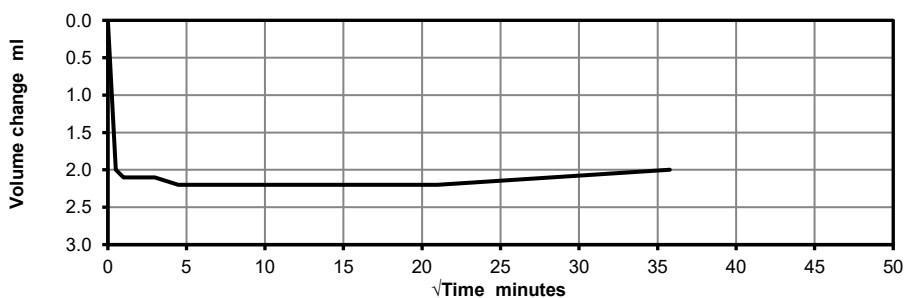


Method:

Increments of cell and back pressure

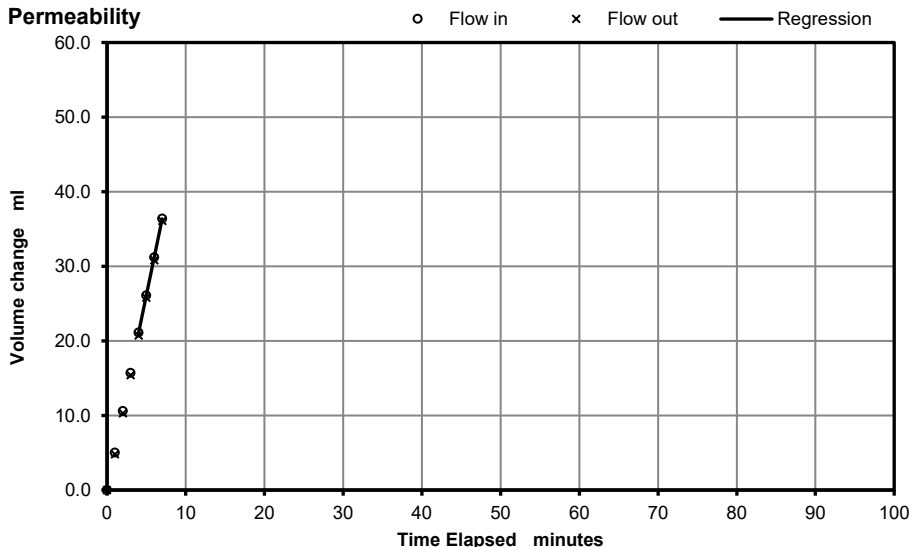
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 760  | kPa |
| Final pore water pressure | 746  | kPa |
| Final B Value             | 0.95 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 800 kPa      |
| Back pressure applied | 750 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 781 kPa      |
| Final PWP             | 749 kPa      |
| PWP dissipation       | 104 %        |

#### Permeability



|                         |            |
|-------------------------|------------|
| Direction of Flow       | Downwards  |
| Cell Pressure           | 800 kPa    |
| Top Pressure            | 755 kPa    |
| Base Pressure           | 745 kPa    |
| Mean Effective Stress   | 50 kPa     |
| Differential Pressure   | 10 kPa     |
| Hydraulic gradient      | 10.5       |
| Mean rate of flow       | 5.1 ml/min |
| Temperature during test | 19 °C      |

PERMEABILITY,  $k_v$   
( at 20°C )

$9.8 \times 10^{-7}$  m/s

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-103         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                         |                |   | Depth m          | 4.20           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown slightly gravelly silty SAND.                                        |                |   | KeyLAB ID        | TTLP2026010619 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 14 %

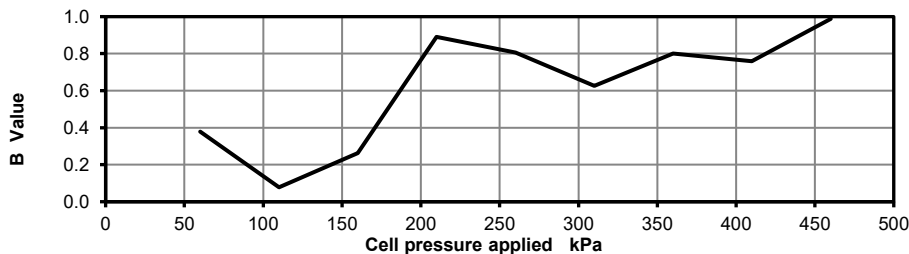
Average Length 96.4 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.85    | 1.86  | Mg/m <sup>3</sup> |
| Water Content        | 25.0    | 24.9  | %                 |
| Dry density          | 1.48    | 1.49  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.794   | 0.784 |                   |
| Degree of saturation | 83      | 84    | %                 |

#### Saturation

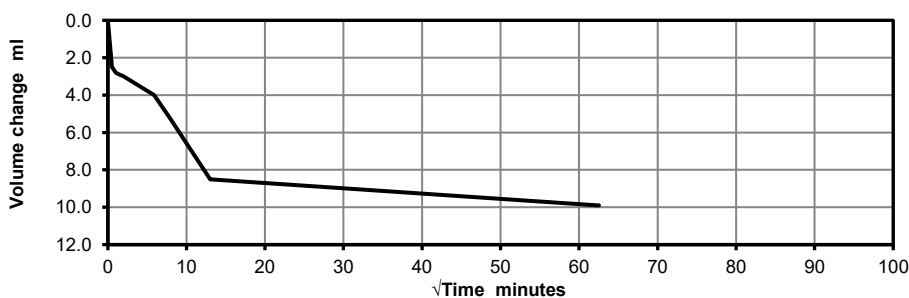


Method:

Increments of cell and back pressure

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 460  | kPa |
| Final pore water pressure | 449  | kPa |
| Final B Value             | 0.99 |     |

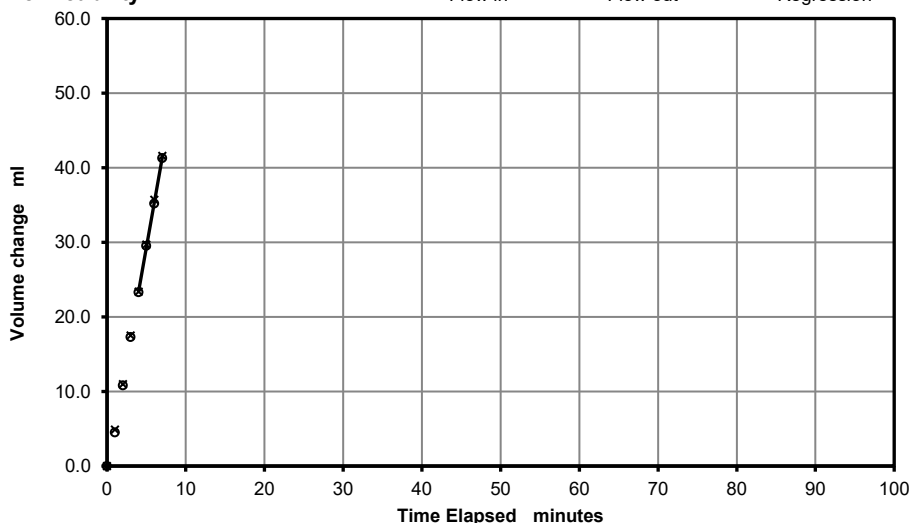
#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 500 kPa      |
| Back pressure applied | 450 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 488 kPa      |
| Final PWP             | 450 kPa      |
| PWP dissipation       | 100 %        |

#### Permeability

○ Flow in × Flow out — Regression



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 500 kPa   |
| Top Pressure          | 455 kPa   |
| Base Pressure         | 445 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 6.0 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.1 \times 10^{-6} \text{ m/s}$$

Remarks

Date Printed

06/01/2026



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PERM

|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-104         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Light brown slightly gravelly SAND                                         |                |   | Depth m          | 2.50           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Light brown slightly gravelly SAND.                                        |                |   | KeyLAB ID        | TTLP2026010621 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

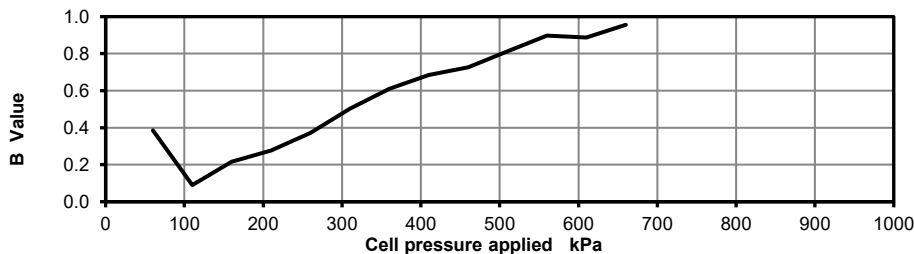
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.82    | 1.82  | Mg/m <sup>3</sup> |
| Water Content        | 21.0    | 26.4  | %                 |
| Dry density          | 1.50    | 1.44  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.763   | 0.841 |                   |
| Degree of saturation | 73      | 83    | %                 |

#### Saturation

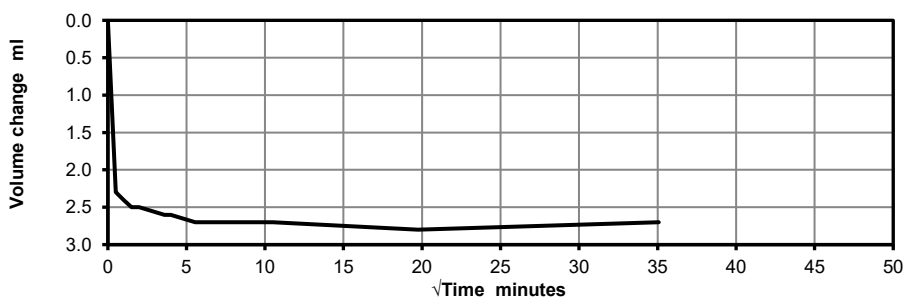


Method:

Increments of cell and back pressure

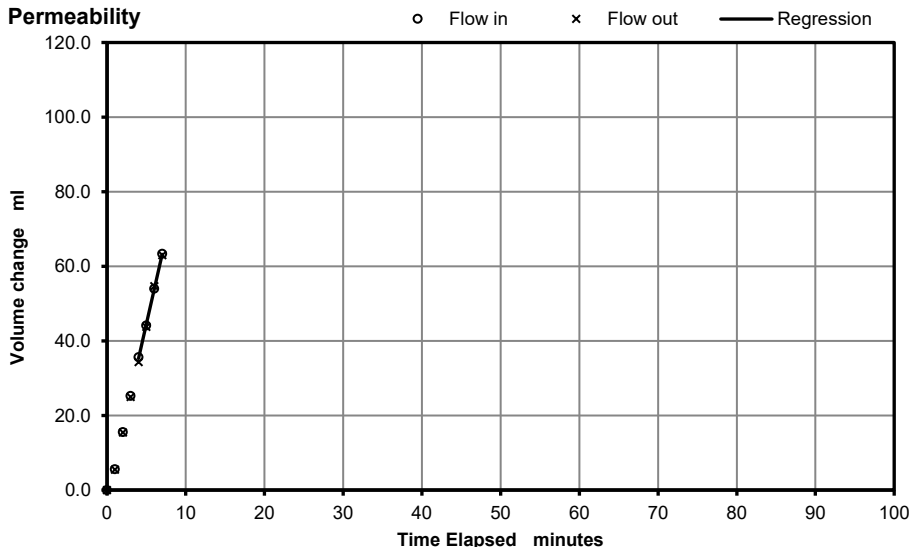
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 660  | kPa |
| Final pore water pressure | 648  | kPa |
| Final B Value             | 0.96 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 700 kPa      |
| Back pressure applied | 650 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 686 kPa      |
| Final PWP             | 650 kPa      |
| PWP dissipation       | 100 %        |

#### Permeability



|                         |            |
|-------------------------|------------|
| Direction of Flow       | Downwards  |
| Cell Pressure           | 700 kPa    |
| Top Pressure            | 655 kPa    |
| Base Pressure           | 645 kPa    |
| Mean Effective Stress   | 50 kPa     |
| Differential Pressure   | 10 kPa     |
| Hydraulic gradient      | 10.6       |
| Mean rate of flow       | 9.3 ml/min |
| Temperature during test | 19 °C      |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.8 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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|                                 |                                                                                    |                |   |                  |                |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                    |                |   | Borehole/Pit No. | CP-201         |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                                 |                |   | Depth m          | 2.00           |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown slightly gravelly silty SAND.                                                |                |   | KeyLAB ID        | TTLP2026010627 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

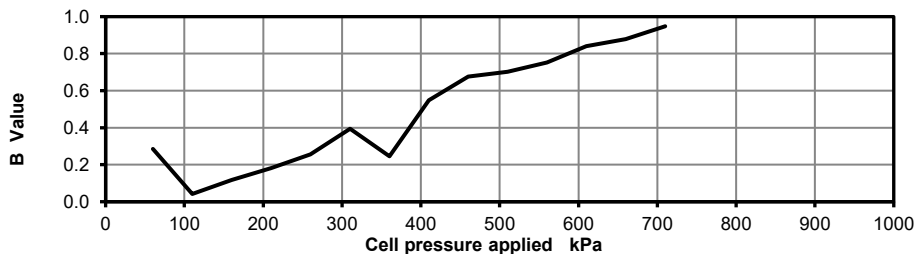
Average Length 96.0 mm

Average Diameter 103.3 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.64    | 1.74  | Mg/m <sup>3</sup> |
| Water Content        | 14.5    | 25.8  | %                 |
| Dry density          | 1.44    | 1.38  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.845   | 0.918 |                   |
| Degree of saturation | 45      | 75    | %                 |

#### Saturation

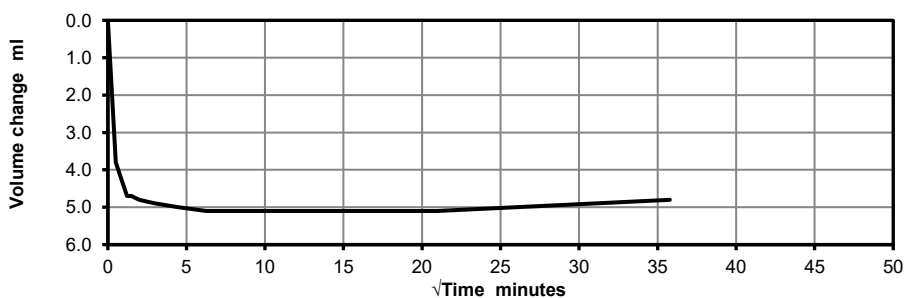


Method:

Increments of cell and back pressure

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 710  | kPa |
| Final pore water pressure | 698  | kPa |
| Final B Value             | 0.95 |     |

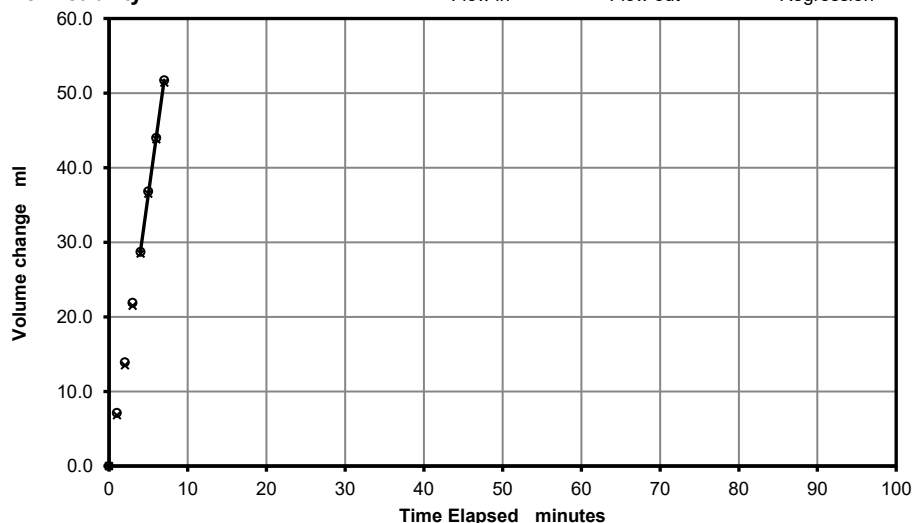
#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 750 kPa      |
| Back pressure applied | 700 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 735 kPa      |
| Final PWP             | 701 kPa      |
| PWP dissipation       | 97 %         |

#### Permeability

○ Flow in × Flow out — Regression



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 750 kPa   |
| Top Pressure          | 705 kPa   |
| Base Pressure         | 695 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 7.6 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.4 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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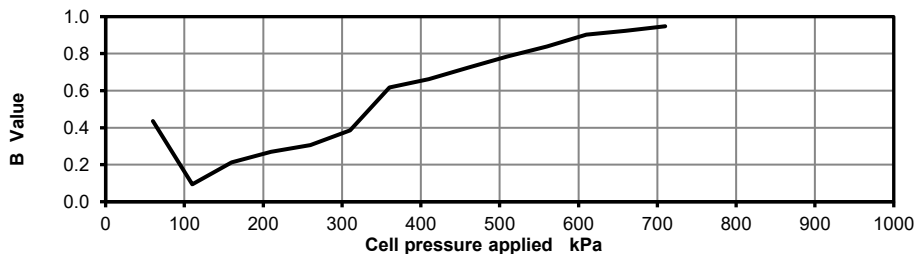
|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-202         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                         |                |   | Depth m          | 2.00           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown slightly gravelly silty SAND.                                        |                |   | KeyLAB ID        | TTLP2026010629 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

|                          |       |                   |            |   |                      |         |       |                   |
|--------------------------|-------|-------------------|------------|---|----------------------|---------|-------|-------------------|
| Size of material removed | >     | mm                | Proportion | % | Bulk Density         | Initial | Final | Mg/m <sup>3</sup> |
| Average Length           | 96.0  | mm                |            |   | Water Content        | 1.82    | 1.83  | %                 |
| Average Diameter         | 103.2 | mm                |            |   | Dry density          | 1.52    | 1.45  | Mg/m <sup>3</sup> |
| Particle density         | 2.65  | Mg/m <sup>3</sup> | Assumed    |   | Voids ratio          | 0.738   | 0.832 |                   |
|                          |       |                   |            |   | Degree of saturation | 69      | 83    | %                 |

#### Saturation

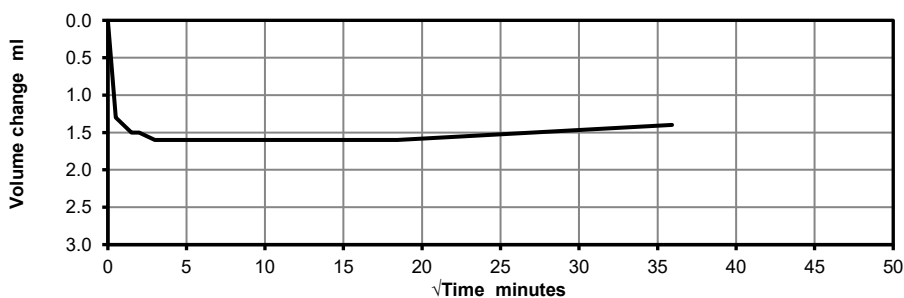


Method:

Increments of cell and back pressure

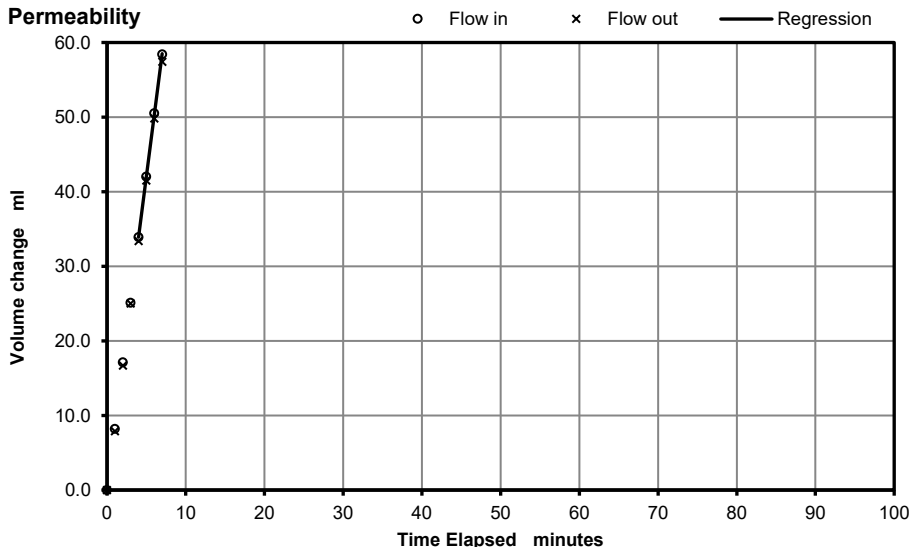
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 710  | kPa |
| Final pore water pressure | 699  | kPa |
| Final B Value             | 0.95 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 750 kPa      |
| Back pressure applied | 700 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 734 kPa      |
| Final PWP             | 701 kPa      |
| PWP dissipation       | 97 %         |

#### Permeability



|                         |            |
|-------------------------|------------|
| Direction of Flow       | Downwards  |
| Cell Pressure           | 750 kPa    |
| Top Pressure            | 705 kPa    |
| Base Pressure           | 695 kPa    |
| Mean Effective Stress   | 50 kPa     |
| Differential Pressure   | 10 kPa     |
| Hydraulic gradient      | 10.6       |
| Mean rate of flow       | 8.2 ml/min |
| Temperature during test | 19 °C      |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.6 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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PERM

| GQF-008-52<br>Issue 01 - Oct 22                                                                                                 |        | Summary of Results for Maximum and Minimum Dry Density Tests |       |      |                                          |             |                                         |          |                                                                                      |                           |                           |         |
|---------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------|-------|------|------------------------------------------|-------------|-----------------------------------------|----------|--------------------------------------------------------------------------------------|---------------------------|---------------------------|---------|
| Project No.<br>J331504                                                                                                          |        | Project Name<br>Marine GI - Ardersier Port                   |       |      |                                          |             |                                         |          |                                                                                      |                           |                           |         |
| Hole No.                                                                                                                        | Sample |                                                              |       |      | Soil Description                         | Test Method | Oversize material<br>( as appropriate ) |          |                                                                                      | Dry density               |                           | Remarks |
|                                                                                                                                 | Ref    | Top                                                          | Base  | Type |                                          |             | >37.5mm %                               | >6.3mm % | >2mm %                                                                               | Maximum Mg/m <sup>3</sup> | Minimum Mg/m <sup>3</sup> |         |
| BH-101                                                                                                                          |        | 0.80                                                         | 1.30  | B    | Brown SAND                               | 4.2, 4.4    | 0                                       | 6        | 5                                                                                    | 1.67                      | 1.56                      |         |
| BH-101                                                                                                                          |        | 2.20                                                         | 1.70  | B    | Grey and brown silty SAND                | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.54                      | 1.43                      |         |
| BH-101                                                                                                                          |        | 5.30                                                         | 5.80  | B    | Brown SAND                               | 4.2, 4.4    | 0                                       | 3        | 2                                                                                    | 1.47                      | 1.35                      |         |
| BH-102                                                                                                                          |        | 1.00                                                         | 1.50  | B    | Brown SAND                               | 4.2, 4.4    | 0                                       | 2        | 1                                                                                    | 1.55                      | 1.43                      |         |
| BH-102                                                                                                                          |        | 3.50                                                         | 3.00  | B    | Grey and brown silty SAND                | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.55                      | 1.43                      |         |
| BH-102                                                                                                                          |        | 7.00                                                         | 7.50  | B    | Brown SAND                               | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.49                      | 1.39                      |         |
| BH-102                                                                                                                          |        | 12.00                                                        | 12.50 | B    | Brown SAND                               | 4.2, 4.4    | 0                                       | 0        | 1                                                                                    | 1.50                      | 1.39                      |         |
| BH-108                                                                                                                          |        | 11.20                                                        | 11.70 | B    | Grey brown SAND                          | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.45                      | 1.35                      |         |
| BH-108                                                                                                                          |        | 18.70                                                        | 19.20 | B    | Grey brown SAND                          | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.63                      | 1.52                      |         |
| BH-112                                                                                                                          |        | 12.60                                                        | 13.10 | B    | Brown slightly gravelly SAND             |             | 0                                       | 0        | 0                                                                                    | 1.60                      | 1.33                      |         |
| BH-112                                                                                                                          |        | 17.00                                                        | 17.50 | B    | Brown slightly gravelly SAND             |             | 0                                       | 1        | 0                                                                                    | 1.52                      | 1.32                      |         |
| BH-112                                                                                                                          |        | 20.00                                                        | 20.50 | B    | Brown slightly gravelly SAND             |             | 0                                       | 1        | 0                                                                                    | 1.47                      | 1.28                      |         |
| BH-113                                                                                                                          |        | 9.50                                                         | 10.00 | B    | Brown slightly gravelly SAND             |             | 0                                       | 0        | 0                                                                                    | 1.45                      | 1.28                      |         |
| BH-113                                                                                                                          |        | 15.50                                                        | 16.00 | B    | Brown slightly gravelly SAND             |             | 0                                       | 0        | 0                                                                                    | 1.44                      | 1.25                      |         |
| BH-113                                                                                                                          |        | 23.00                                                        | 23.50 | B    | Grey and brown SAND                      |             | 0                                       | 2        | 0                                                                                    | 1.50                      | 1.39                      |         |
| BH-114                                                                                                                          |        | 3.20                                                         | 3.70  | B    | Grey brown SAND                          |             | 0                                       | 0        | 0                                                                                    | 1.37                      | 1.25                      |         |
| BH-114                                                                                                                          |        | 7.70                                                         | 8.20  | B    | Grey brown SAND                          |             | 0                                       | 0        | 0                                                                                    | 1.49                      | 1.39                      |         |
| BH-119                                                                                                                          |        | 6.30                                                         | 6.80  | B    | Grey brown SAND                          |             | 0                                       | 1        | 0                                                                                    | 1.64                      | 1.41                      |         |
| BH-119                                                                                                                          |        | 12.30                                                        | 12.80 | B    | Grey brown SAND                          |             | 0                                       | 1        | 1                                                                                    | 1.66                      | 1.47                      |         |
| BH-119                                                                                                                          |        | 19.80                                                        | 20.30 | B    | Brown slightly gravelly silty SAND       |             | 0                                       | 7        | 4                                                                                    | 1.73                      | 1.33                      |         |
| BH-119                                                                                                                          |        | 21.30                                                        | 21.80 | B    | Brown slightly gravelly SAND             |             | 0                                       | 0        | 0                                                                                    | 1.65                      | 1.47                      |         |
| BH-203                                                                                                                          |        | 7.50                                                         | 8.00  | B    | Brown slightly gravelly SAND             |             | 0                                       | 0        | 0                                                                                    | 1.48                      | 1.39                      |         |
| BH-207                                                                                                                          |        | 6.70                                                         | 7.20  | B    | Brown slightly gravelly SAND             |             | 0                                       | 0        | 0                                                                                    | 1.46                      | 1.33                      |         |
| BH-207                                                                                                                          |        | 15.70                                                        | 16.20 | B    | Brown slightly gravelly SAND             |             | 0                                       | 0        | 0                                                                                    | 1.51                      | 1.25                      |         |
| BH-207                                                                                                                          |        | 27.70                                                        | 28.20 | B    | Brown SAND                               |             | 0                                       | 0        | 0                                                                                    | 1.47                      | 1.20                      |         |
| CP-101                                                                                                                          |        | 2.10                                                         | 1.60  | B    | Light brown slightly gravelly silty SAND |             | 4                                       | 18       | 0                                                                                    | 1.53                      | 1.27                      |         |
| CP-101                                                                                                                          |        | 5.40                                                         | 5.90  | B    | Brown slightly gravelly SAND             |             | 0                                       | 1        | 0                                                                                    | 1.51                      | 1.23                      |         |
| CP-101                                                                                                                          |        | 8.40                                                         | 8.90  | B    | Brown SAND                               |             | 0                                       | 0        | 0                                                                                    | 1.44                      | 1.35                      |         |
| CP-101                                                                                                                          |        | 11.40                                                        | 11.90 | B    | Grey brown SAND                          |             | 0                                       | 1        | 0                                                                                    | 1.41                      | 1.33                      |         |
| CP-102                                                                                                                          |        | 9.10                                                         | 9.60  | B    | Brown SAND                               |             | 0                                       | 0        | 0                                                                                    | 1.45                      | 1.32                      |         |
| CP-102                                                                                                                          |        | 13.60                                                        | 14.10 | B    | Brown SAND                               |             | 0                                       | 0        | 0                                                                                    | 1.46                      | 1.35                      |         |
| CP-103                                                                                                                          |        | 1.20                                                         | 0.70  | B    | Brown silty SAND                         | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.45                      | 1.35                      |         |
| CP-104                                                                                                                          |        | 2.50                                                         | 2.00  | B    | Light brown slightly gravelly SAND       | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.63                      | 1.52                      |         |
| CP-104                                                                                                                          |        | 8.00                                                         | 8.50  | B    | Brown SAND                               | 4.2, 4.4    | 0                                       | 0        | 1                                                                                    | 1.53                      | 1.43                      |         |
| CP-104                                                                                                                          |        | 11.00                                                        | 11.50 | B    | Brown SAND                               | 4.2, 4.4    | 0                                       | 0        | 2                                                                                    | 1.59                      | 1.47                      |         |
| CP-201                                                                                                                          |        | 2.00                                                         | 1.50  | B    | Brown slightly gravelly silty SAND       | 4.2, 4.4    | 0                                       | 0        | 0                                                                                    | 1.58                      | 1.47                      |         |
| CP-201                                                                                                                          |        | 4.00                                                         | 4.50  | B    | Brown SAND                               | 4.2, 4.4    | 1                                       | 18       | 2                                                                                    | 1.59                      | 1.43                      |         |
| CP-202                                                                                                                          |        | 2.00                                                         | 1.50  | B    | Brown slightly gravelly silty SAND       | 4.2, 4.4    | 0                                       | 4        | 1                                                                                    | 1.49                      | 1.39                      |         |
| Notes<br>Tests performed in accordance with BS 1377 : Part 4 : 1990 and clauses : 4.2, 4.4 sandy soil<br>4.3, 4.5 gravelly soil |        |                                                              |       |      |                                          |             |                                         |          |  |                           | MAX MIN                   |         |

|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | BH-101         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Grey and brown silty SAND                                                  |                |   | Depth m          | 2.20           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Greyish brown silty SAND.                                                  |                |   | KeyLAB ID        | TTLP2026010624 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

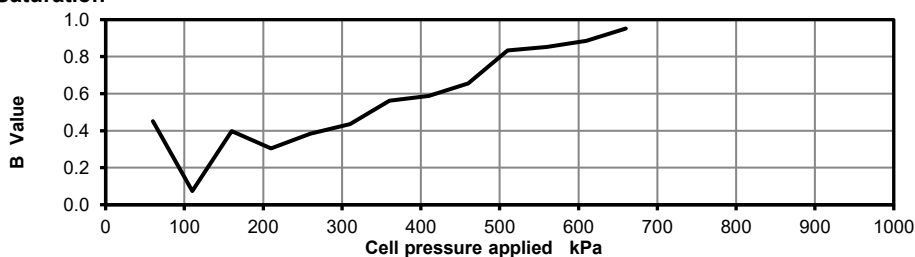
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.78    | 1.78  | Mg/m <sup>3</sup> |
| Water Content        | 20.9    | 27.3  | %                 |
| Dry density          | 1.48    | 1.40  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.796   | 0.892 |                   |
| Degree of saturation | 70      | 81    | %                 |

#### Saturation

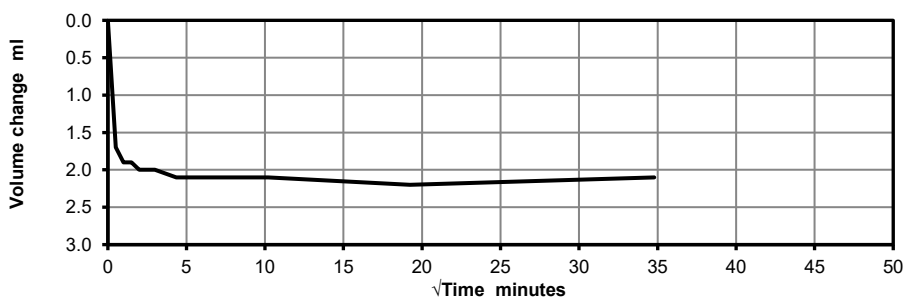


Method:

Increments of cell and back pressure

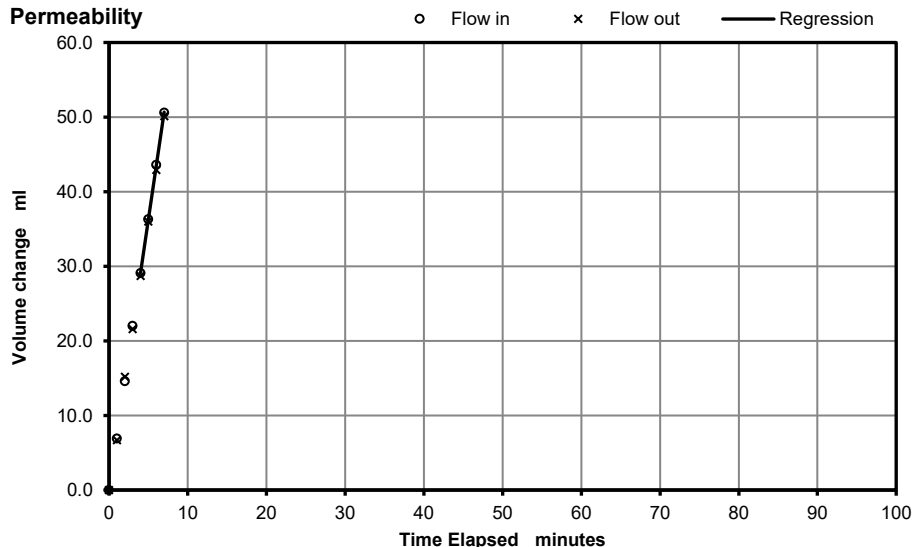
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 660  | kPa |
| Final pore water pressure | 651  | kPa |
| Final B Value             | 0.95 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 700 kPa      |
| Back pressure applied | 650 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 686 kPa      |
| Final PWP             | 651 kPa      |
| PWP dissipation       | 98 %         |

#### Permeability



Direction of Flow

|                       |      |     |
|-----------------------|------|-----|
| Cell Pressure         | 700  | kPa |
| Top Pressure          | 655  | kPa |
| Base Pressure         | 645  | kPa |
| Mean Effective Stress | 50   | kPa |
| Differential Pressure | 10   | kPa |
| Hydraulic gradient    | 10.6 |     |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 7.2 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.4 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10 kPa |
| Date Printed | 06/01/2026 |



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PERM

|                                 |                                                                                    |                |   |                  |                |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                    |                |   | Borehole/Pit No. | BH-102         |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                |
| Soil Description                | Grey and brown silty SAND                                                          |                |   | Depth m          | 3.50           |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Grey and brown silty SAND.                                                         |                |   | KeyLAB ID        | TTLP2026010630 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                |

### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ a workable MC

Size of material removed > 20 mm Proportion 0 %

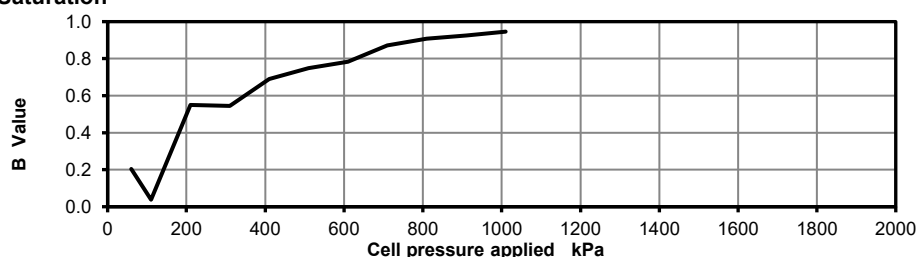
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.50    | 1.70  | Mg/m <sup>3</sup> |
| Water Content        | 6.6     | 26.8  | %                 |
| Dry density          | 1.40    | 1.34  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.887   | 0.973 |                   |
| Degree of saturation | 20      | 73    | %                 |

### Saturation

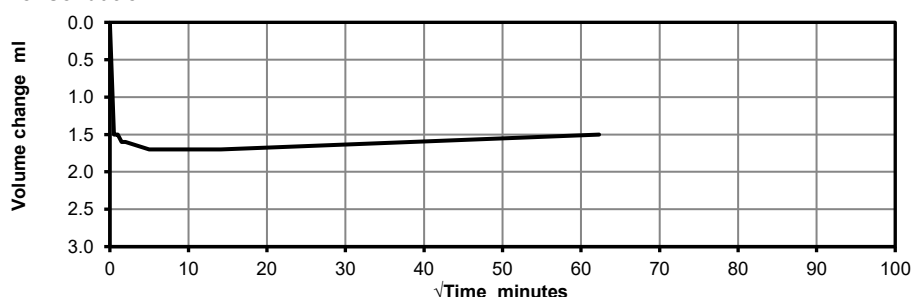


Method:

Increments of cell and back pressure

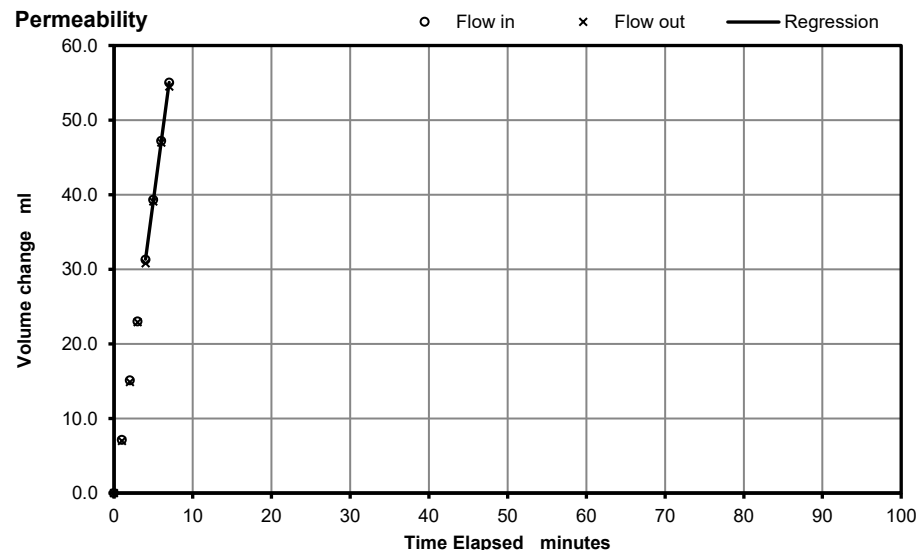
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 1010 | kPa |
| Final pore water pressure | 996  | kPa |
| Final B Value             | 0.95 |     |

### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 1050 kPa     |
| Back pressure applied | 1000 kPa     |
| Effective stress      | 50 kPa       |
| Initial PWP           | 1030 kPa     |
| Final PWP             | 1001 kPa     |
| PWP dissipation       | 96 %         |

### Permeability



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 1050 kPa  |
| Top Pressure          | 1005 kPa  |
| Base Pressure         | 995 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 7.9 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.5 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      |            |
| Date Printed | 06/01/2026 |



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PERM

|                                 |                                                                                    |                |   |                  |                 |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|-----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J328106         |
|                                 |                                                                                    |                |   | Borehole/Pit No. | BH-116          |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                 |
| Soil Description                | Dark brown slightly gravelly sandy organic CLAY                                    |                |   | Depth m          | 4.50            |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B               |
| Specimen Description            | Dark brown slightly gravelly sandy organic CLAY.                                   |                |   | KeyLAB ID        | TTLP20251127122 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                 |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received mc

Size of material removed > 20 mm Proportion 0 %

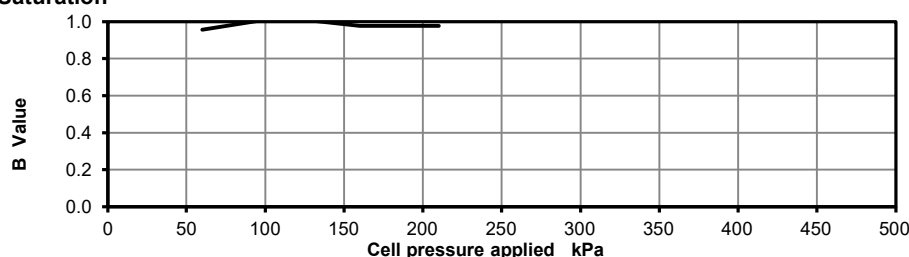
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.83    | 1.94  | Mg/m <sup>3</sup> |
| Water Content        | 30.1    | 30.5  | %                 |
| Dry density          | 1.40    | 1.48  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.888   | 0.785 |                   |
| Degree of saturation | 90      | 103   | %                 |

#### Saturation

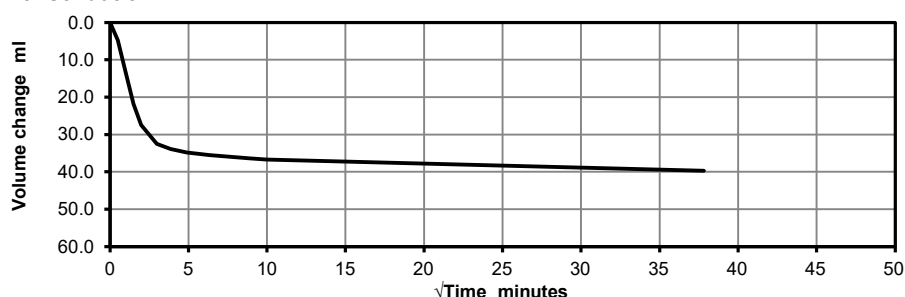


Method:

Increments of cell pressure only

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     |      | kPa |
| Final Cell Pressure       | 210  | kPa |
| Final pore water pressure | 206  | kPa |
| Final B Value             | 0.98 |     |

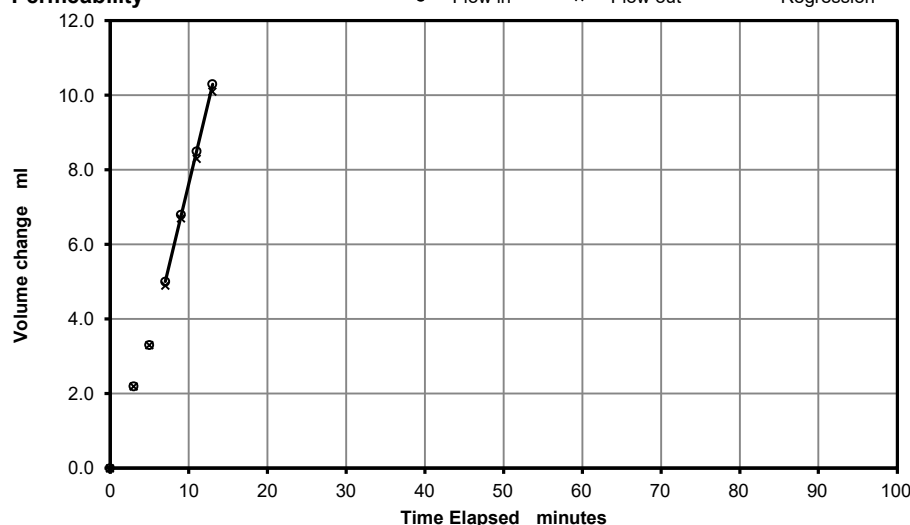
#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 400 kPa      |
| Back pressure applied | 350 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 394 kPa      |
| Final PWP             | 349 kPa      |
| PWP dissipation       | 103 %        |

#### Permeability

o Flow in x Flow out — Regression



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 400 kPa   |
| Top Pressure          | 355 kPa   |
| Base Pressure         | 345 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 11.1      |

|                         |      |        |
|-------------------------|------|--------|
| Mean rate of flow       | 0.88 | ml/min |
| Temperature during test | 19   | °C     |

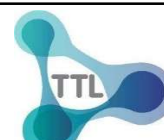
**PERMEABILITY,  $k_v$**   
( at 20°C )

$1.7 \times 10^{-7}$  m/s

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 28/11/2025 |



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**PERM**

|                                 |                                                                            |                |   |                  |               |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J327997       |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-101        |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |               |
| Soil Description                | Light brown slightly gravelly silty SAND                                   |                |   | Depth m          | 2.10          |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            | Light brown slightly gravelly silty SAND                                   |                |   | KeyLAB ID        | TTLP202511254 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |               |

#### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ received MC

Size of material removed > 16 mm Proportion 0 %

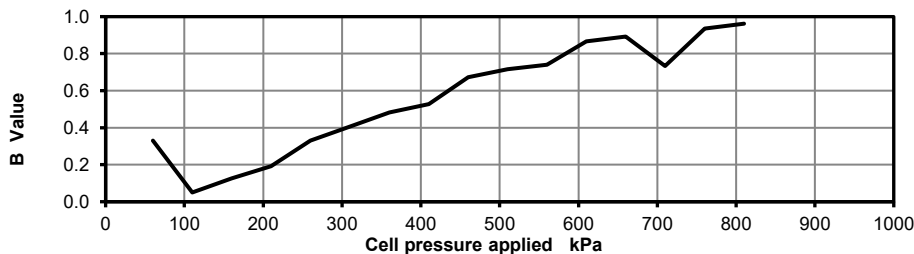
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.79    | 1.77  | Mg/m <sup>3</sup> |
| Water Content        | 23.1    | 26.0  | %                 |
| Dry density          | 1.46    | 1.41  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.819   | 0.886 |                   |
| Degree of saturation | 75      | 78    | %                 |

#### Saturation

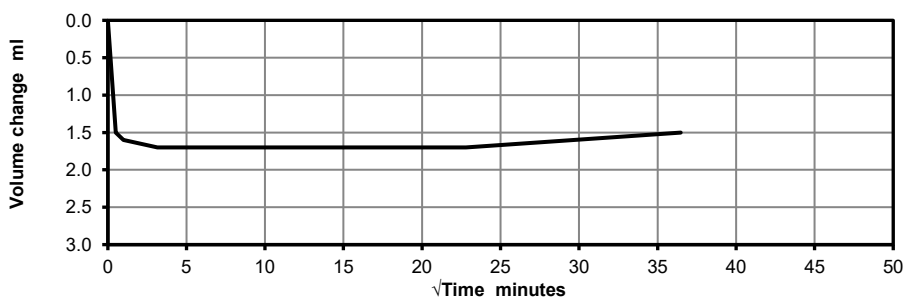


Method:

Increments of cell and back pressure

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 810  | kPa |
| Final pore water pressure | 802  | kPa |
| Final B Value             | 0.96 |     |

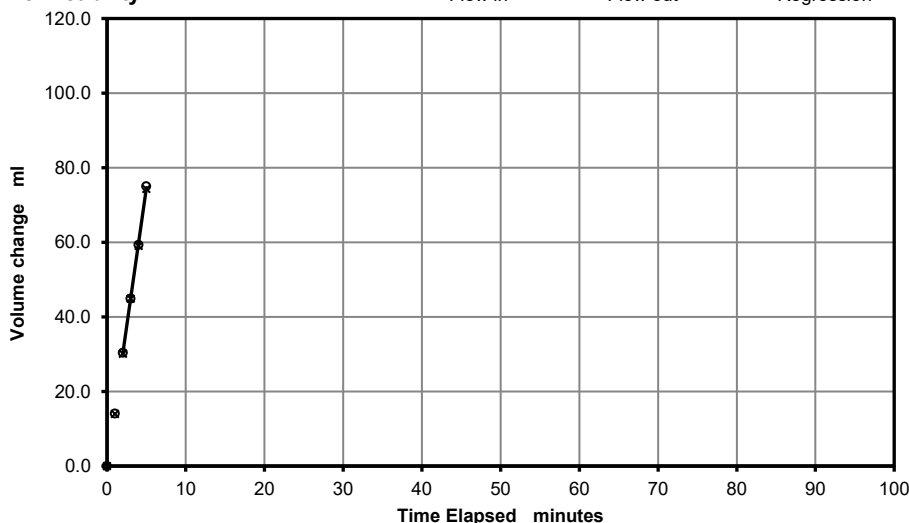
#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 850 kPa      |
| Back pressure applied | 800 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 835 kPa      |
| Final PWP             | 800 kPa      |
| PWP dissipation       | 99 %         |

#### Permeability

○ Flow in × Flow out — Regression



|                         |           |
|-------------------------|-----------|
| Direction of Flow       | Downwards |
| Cell Pressure           | 850 kPa   |
| Top Pressure            | 805 kPa   |
| Base Pressure           | 795 kPa   |
| Mean Effective Stress   | 50 kPa    |
| Differential Pressure   | 10 kPa    |
| Hydraulic gradient      | 10.6      |
| Mean rate of flow       | 15 ml/min |
| Temperature during test | 20 °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$2.8 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 25/11/2025 |



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PERM

|                                 |                                                                            |                |   |                  |               |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|---------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J327997       |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-102        |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |               |
| Soil Description                | Light brown slightly gravelly silty SAND                                   |                |   | Depth m          | 1.40          |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B             |
| Specimen Description            | Light brown slight gravelly silty SAND.                                    |                |   | KeyLAB ID        | TTLP202511258 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |               |

#### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ received MC

Size of material removed > 16 mm Proportion 0 %

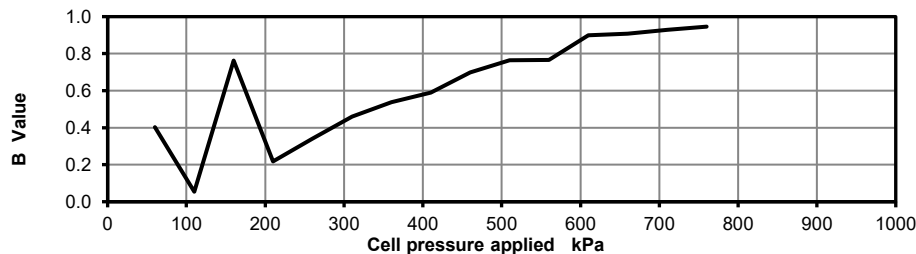
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.78    | 1.80  | Mg/m <sup>3</sup> |
| Water Content        | 24.5    | 27.3  | %                 |
| Dry density          | 1.43    | 1.41  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.852   | 0.874 |                   |
| Degree of saturation | 76      | 83    | %                 |

#### Saturation

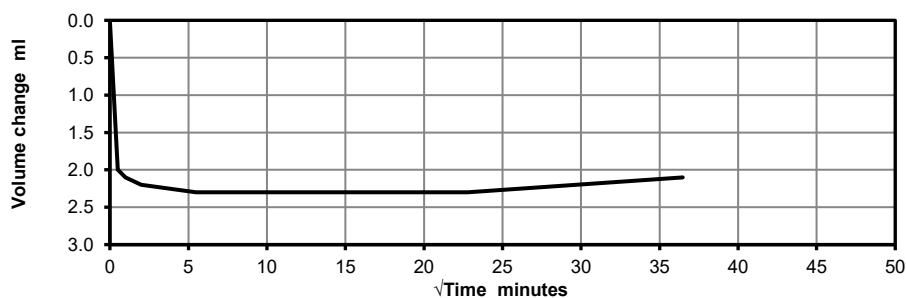


Method:

Increments of cell and back pressure

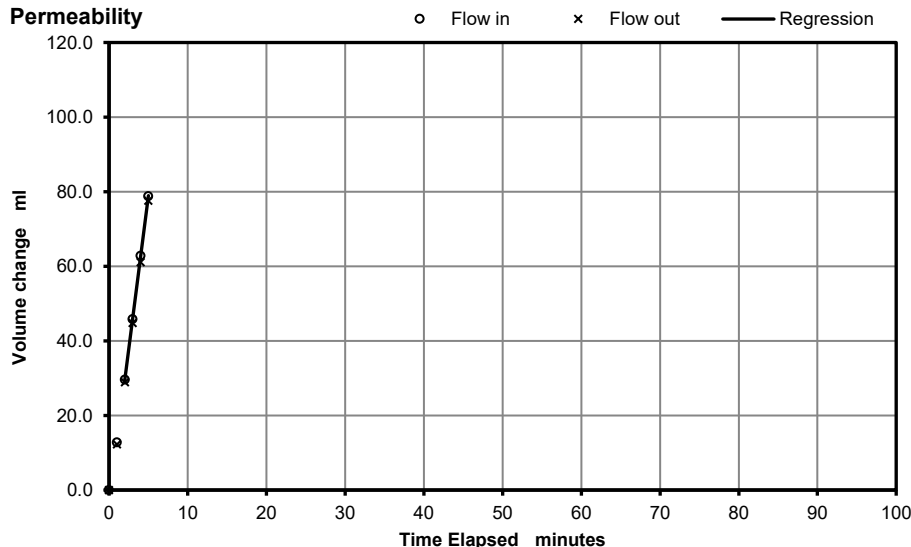
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 760  | kPa |
| Final pore water pressure | 750  | kPa |
| Final B Value             | 0.95 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 810 kPa      |
| Back pressure applied | 750 kPa      |
| Effective stress      | 60 kPa       |
| Initial PWP           | 795 kPa      |
| Final PWP             | 752 kPa      |
| PWP dissipation       | 96 %         |

#### Permeability



|                         |           |
|-------------------------|-----------|
| Direction of Flow       | Downwards |
| Cell Pressure           | 810 kPa   |
| Top Pressure            | 755 kPa   |
| Base Pressure           | 745 kPa   |
| Mean Effective Stress   | 60 kPa    |
| Differential Pressure   | 10 kPa    |
| Hydraulic gradient      | 10.6      |
| Mean rate of flow       | 16 ml/min |
| Temperature during test | 20 °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$3.1 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 25/11/2025 |



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|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-103         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Brown silty SAND                                                           |                |   | Depth m          | 1.20           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown silty SAND.                                                          |                |   | KeyLAB ID        | TTLP2026010620 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

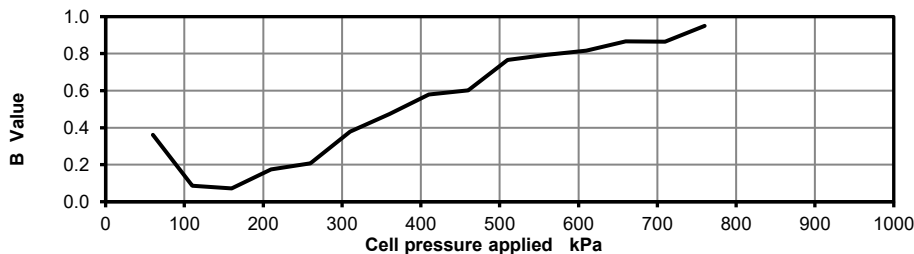
Average Length 95.7 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.79    | 1.80  | Mg/m <sup>3</sup> |
| Water Content        | 22.3    | 26.6  | %                 |
| Dry density          | 1.46    | 1.42  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.812   | 0.863 |                   |
| Degree of saturation | 73      | 82    | %                 |

#### Saturation

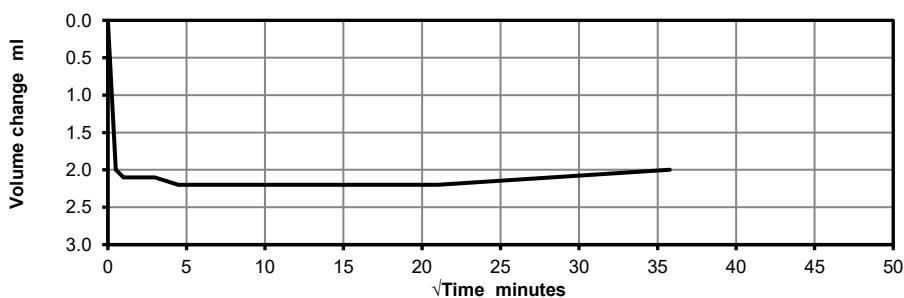


Method:

Increments of cell and back pressure

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 760  | kPa |
| Final pore water pressure | 746  | kPa |
| Final B Value             | 0.95 |     |

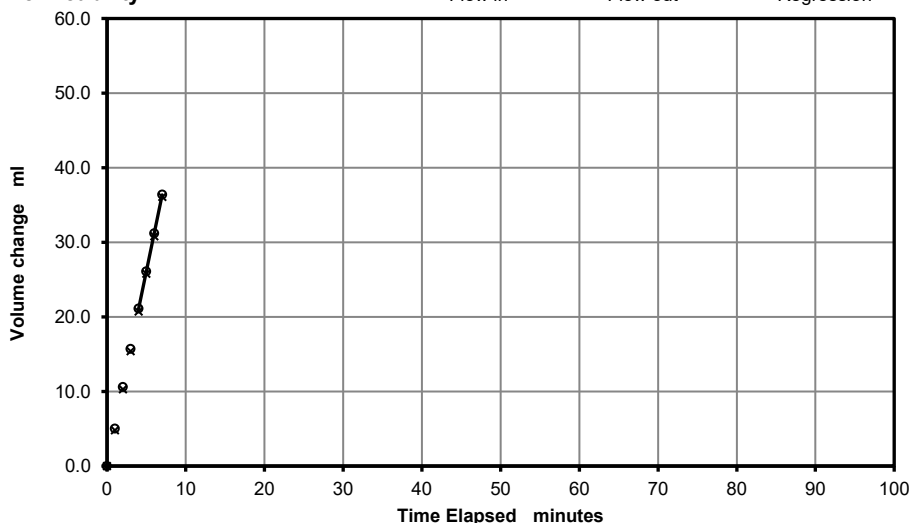
#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 800 kPa      |
| Back pressure applied | 750 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 781 kPa      |
| Final PWP             | 749 kPa      |
| PWP dissipation       | 104 %        |

#### Permeability

○ Flow in × Flow out — Regression



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 800 kPa   |
| Top Pressure          | 755 kPa   |
| Base Pressure         | 745 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.5      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 5.1 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$9.8 \times 10^{-7} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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PERM



|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-103         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                         |                |   | Depth m          | 4.20           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown slightly gravelly silty SAND.                                        |                |   | KeyLAB ID        | TTLP2026010619 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 14 %

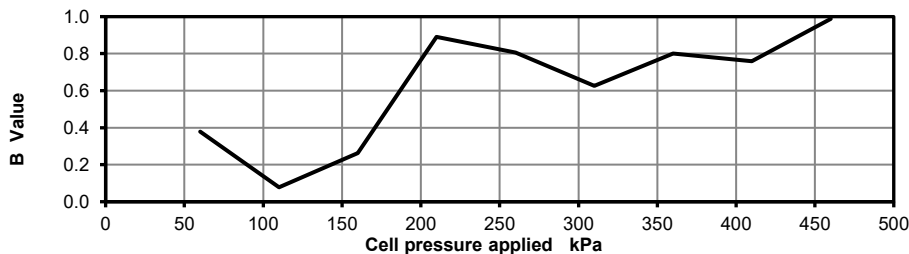
Average Length 96.4 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.85    | 1.86  | Mg/m <sup>3</sup> |
| Water Content        | 25.0    | 24.9  | %                 |
| Dry density          | 1.48    | 1.49  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.794   | 0.784 |                   |
| Degree of saturation | 83      | 84    | %                 |

#### Saturation

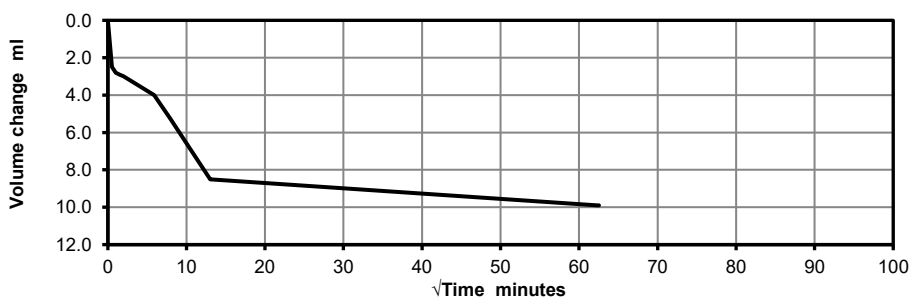


Method:

Increments of cell and back pressure

|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 460  | kPa |
| Final pore water pressure | 449  | kPa |
| Final B Value             | 0.99 |     |

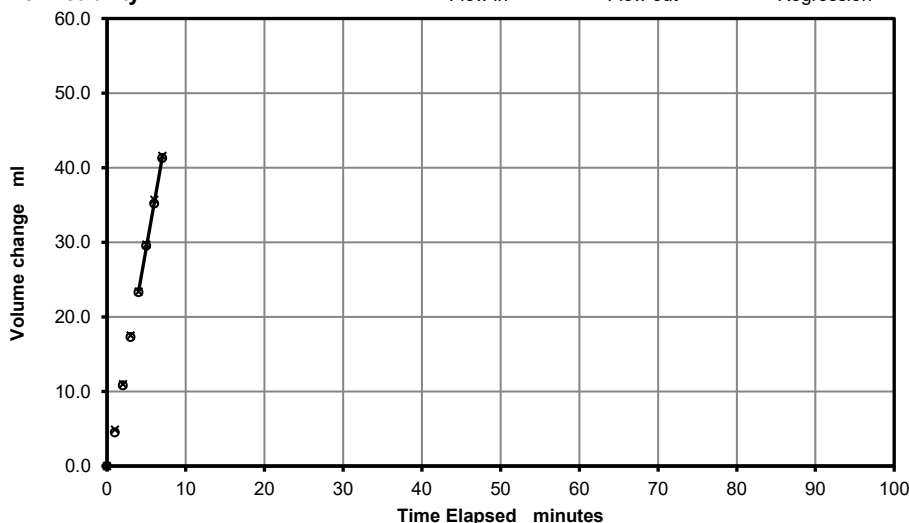
#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 500 kPa      |
| Back pressure applied | 450 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 488 kPa      |
| Final PWP             | 450 kPa      |
| PWP dissipation       | 100 %        |

#### Permeability

○ Flow in × Flow out — Regression



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 500 kPa   |
| Top Pressure          | 455 kPa   |
| Base Pressure         | 445 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 6.0 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$1.1 \times 10^{-6}$  m/s

Remarks

Date Printed

06/01/2026



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PERM

|                                 |                                                                                    |                |   |                  |                |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                    |                |   | Borehole/Pit No. | CP-104         |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                |
| Soil Description                | Light brown slightly gravelly SAND                                                 |                |   | Depth m          | 2.50           |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Light brown slightly gravelly SAND.                                                |                |   | KeyLAB ID        | TTLP2026010621 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

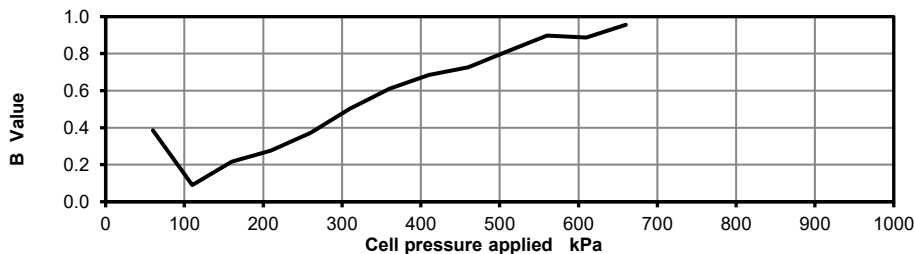
Average Length 96.0 mm

Average Diameter 103.2 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.82    | 1.82  | Mg/m <sup>3</sup> |
| Water Content        | 21.0    | 26.4  | %                 |
| Dry density          | 1.50    | 1.44  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.763   | 0.841 |                   |
| Degree of saturation | 73      | 83    | %                 |

#### Saturation

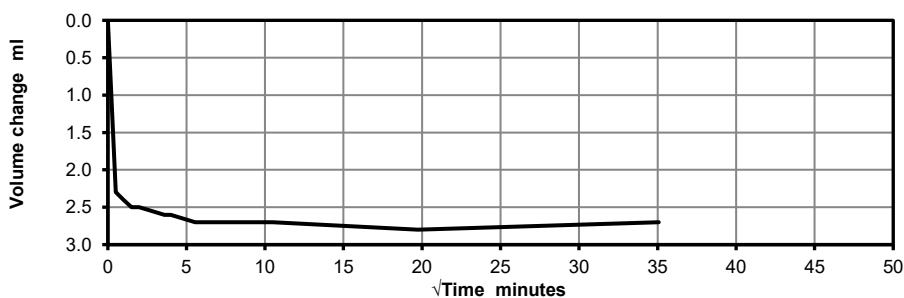


Method:

Increments of cell and back pressure

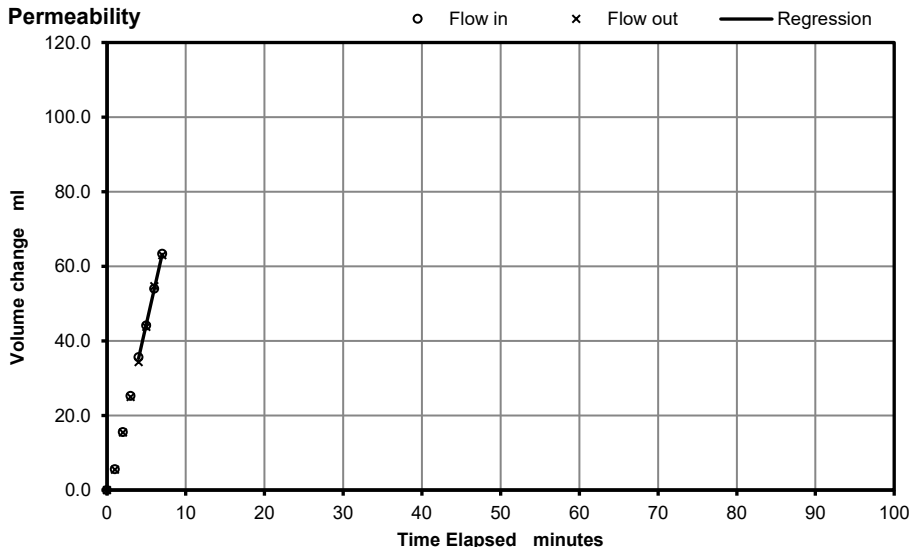
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 660  | kPa |
| Final pore water pressure | 648  | kPa |
| Final B Value             | 0.96 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 700 kPa      |
| Back pressure applied | 650 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 686 kPa      |
| Final PWP             | 650 kPa      |
| PWP dissipation       | 100 %        |

#### Permeability



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 700 kPa   |
| Top Pressure          | 655 kPa   |
| Base Pressure         | 645 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 9.3 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.8 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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|                                 |                                                                                    |                |   |                  |                |
|---------------------------------|------------------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | <b>Determination of Permeability in a Triaxial Cell<br/>( Constant Head test )</b> |                |   | Job Ref          | J331504        |
|                                 |                                                                                    |                |   | Borehole/Pit No. | CP-201         |
| Project Name                    | Marine GI - Ardersier Port                                                         |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                                 |                |   | Depth m          | 2.00           |
| Specimen Reference              |                                                                                    | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown slightly gravelly silty SAND.                                                |                |   | KeyLAB ID        | TTLP2026010627 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                                   |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED using 2.5KG effort @ received MC

Size of material removed > 20 mm Proportion 0 %

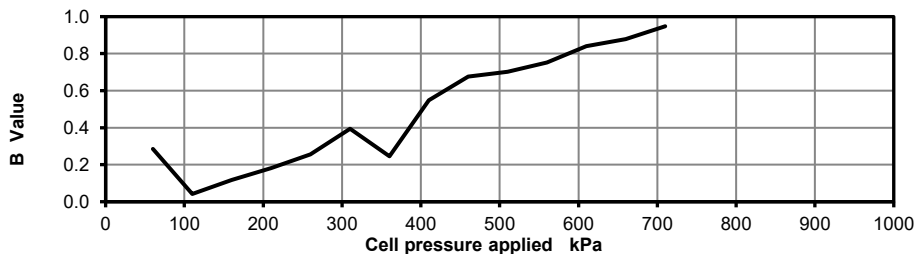
Average Length 96.0 mm

Average Diameter 103.3 mm

Particle density 2.65 Mg/m<sup>3</sup> Assumed

|                      | Initial | Final |                   |
|----------------------|---------|-------|-------------------|
| Bulk Density         | 1.64    | 1.74  | Mg/m <sup>3</sup> |
| Water Content        | 14.5    | 25.8  | %                 |
| Dry density          | 1.44    | 1.38  | Mg/m <sup>3</sup> |
| Voids ratio          | 0.845   | 0.918 |                   |
| Degree of saturation | 45      | 75    | %                 |

#### Saturation

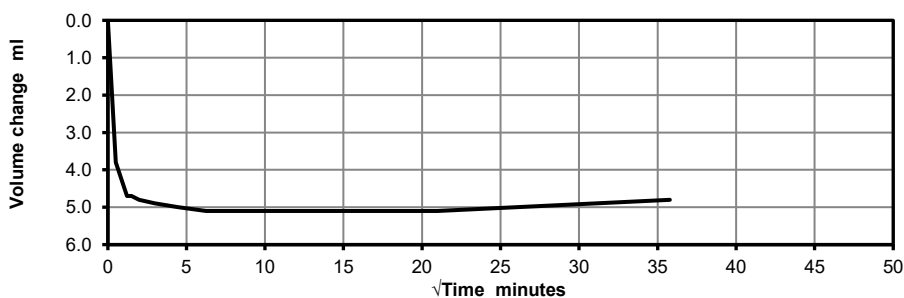


Method:

Increments of cell and back pressure

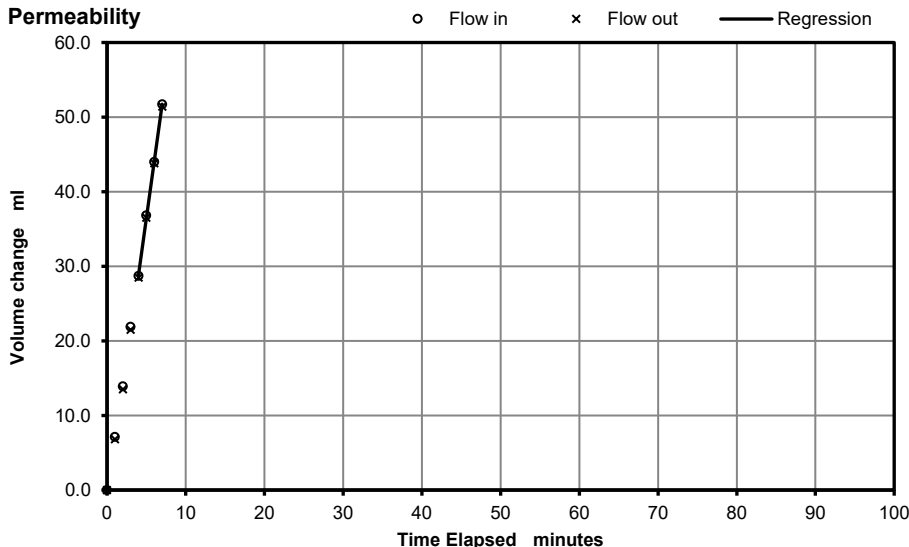
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 710  | kPa |
| Final pore water pressure | 698  | kPa |
| Final B Value             | 0.95 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 750 kPa      |
| Back pressure applied | 700 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 735 kPa      |
| Final PWP             | 701 kPa      |
| PWP dissipation       | 97 %         |

#### Permeability



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 750 kPa   |
| Top Pressure          | 705 kPa   |
| Base Pressure         | 695 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 7.6 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.4 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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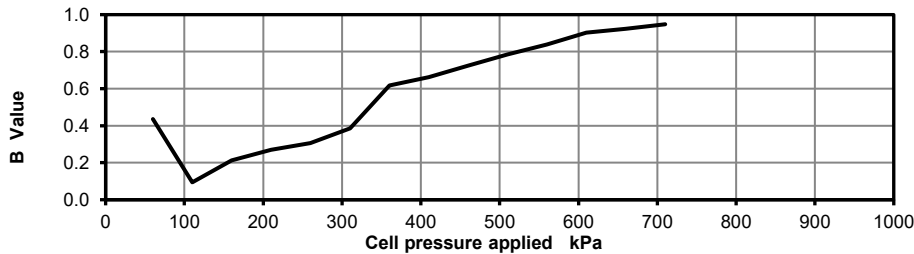
|                                 |                                                                            |                |   |                  |                |
|---------------------------------|----------------------------------------------------------------------------|----------------|---|------------------|----------------|
| GQF-008-60<br>Issue 01 - Oct 22 | Determination of Permeability in a Triaxial Cell<br>( Constant Head test ) |                |   | Job Ref          | J331504        |
|                                 |                                                                            |                |   | Borehole/Pit No. | CP-202         |
| Project Name                    | Marine GI - Ardersier Port                                                 |                |   | Sample No.       |                |
| Soil Description                | Brown slightly gravelly silty SAND                                         |                |   | Depth m          | 2.00           |
| Specimen Reference              |                                                                            | Specimen Depth | m | Sample Type      | B              |
| Specimen Description            | Brown slightly gravelly silty SAND.                                        |                |   | KeyLAB ID        | TTLP2026010629 |
| Test Method                     | BS1377 : Part 6 : 1990, clause 6                                           |                |   | Date started     |                |

#### Specimen Details

Specimen Type /Preparation REMOULDED Using 2.5KG effort @ received MC

|                          |       |                   |            |   |                      |         |       |                   |
|--------------------------|-------|-------------------|------------|---|----------------------|---------|-------|-------------------|
| Size of material removed | >     | mm                | Proportion | % | Bulk Density         | Initial | Final | Mg/m <sup>3</sup> |
| Average Length           | 96.0  | mm                |            |   | Water Content        | 1.82    | 1.83  | %                 |
| Average Diameter         | 103.2 | mm                |            |   | Dry density          | 19.1    | 26.2  | %                 |
| Particle density         | 2.65  | Mg/m <sup>3</sup> | Assumed    |   | Voids ratio          | 1.52    | 1.45  | Mg/m <sup>3</sup> |
|                          |       |                   |            |   | Degree of saturation | 0.738   | 0.832 | %                 |
|                          |       |                   |            |   |                      | 69      | 83    | %                 |

#### Saturation

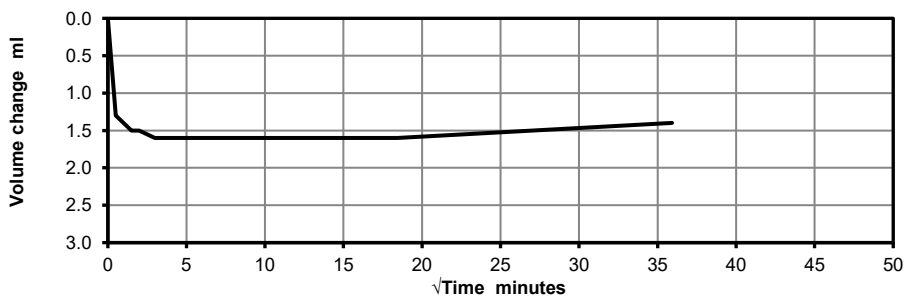


Method:

Increments of cell and back pressure

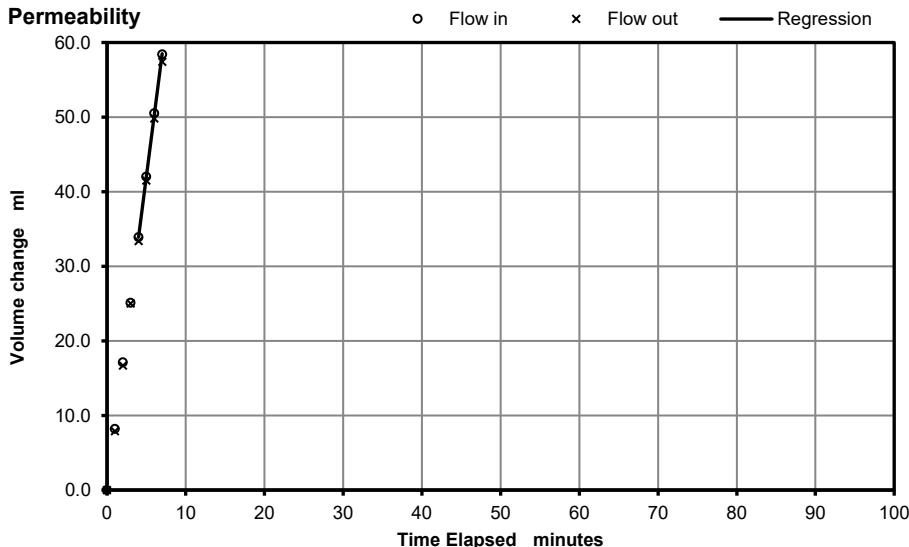
|                           |      |     |
|---------------------------|------|-----|
| Cell pressure increments  | 50   | kPa |
| Differential Pressure     | 10   | kPa |
| Final Cell Pressure       | 710  | kPa |
| Final pore water pressure | 699  | kPa |
| Final B Value             | 0.95 |     |

#### Consolidation



|                       |              |
|-----------------------|--------------|
| Drainage Condition    | From one end |
| Cell pressure applied | 750 kPa      |
| Back pressure applied | 700 kPa      |
| Effective stress      | 50 kPa       |
| Initial PWP           | 734 kPa      |
| Final PWP             | 701 kPa      |
| PWP dissipation       | 97 %         |

#### Permeability



|                       |           |
|-----------------------|-----------|
| Direction of Flow     | Downwards |
| Cell Pressure         | 750 kPa   |
| Top Pressure          | 705 kPa   |
| Base Pressure         | 695 kPa   |
| Mean Effective Stress | 50 kPa    |
| Differential Pressure | 10 kPa    |
| Hydraulic gradient    | 10.6      |

|                         |     |        |
|-------------------------|-----|--------|
| Mean rate of flow       | 8.2 | ml/min |
| Temperature during test | 19  | °C     |

PERMEABILITY,  $k_v$   
( at 20°C )

$$1.6 \times 10^{-6} \text{ m/s}$$

|              |            |
|--------------|------------|
| Remarks      | H.G 10kPa  |
| Date Printed | 06/01/2026 |



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## APPENDIX E

## **♣Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2026)**

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3<sup>rd</sup> parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2011 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.

## UK BACKGROUND

### Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.

The main objectives of the Part 2A regime are to *“identify and remove unacceptable risks to human health and the environment”* and to *“seek to ensure that contaminated land is made suitable for its current use”*.

Part 2A uses a risk based approach to defining contaminated land whereby the “risk” is interpreted as *“the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land”* and by *“the scale and seriousness of such harm or pollution if it did occur”*.

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that *“for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters.”*

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include *“land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health.”*

Categories 3 and 4 *“encompass land which is not capable of being determined on such grounds”*.

### PRELIMINARY CONCEPTUAL MODEL

Preliminary Conceptual Models are undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, using the tables detailed below.

### CONSEQUENCE OF RISK BEING REALISED (Based on C552 CIRIA, 2001)

| Classification  | Definition                                                                                                                                                                                                          | Example                                                                                                                                                                                                                                                                    |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Severe</b>   | Short-term (acute) risk to human health, the environment, an element of the development or other aspect with is likely to result in <i>significant harm</i> , damage or both.                                       | High concentrations of cyanide on the surface of an informal recreational area. Major spills of contaminants from site into controlled water. High concentrations of explosive gas in the subsurface environment that have a clear unobstructed pathway into buildings.    |
| <b>Moderate</b> | Chronic damage to human health, a plausible chance that an event will occur, although the timeline is not immediate to be in the short-term.                                                                        | Appreciable concentration of contamination that over the longer-term will cause significant harm i.e. high lead concentration in topsoil. Shallow mine workings that are potentially unstable but may remain in a satisfactory or stable conditions for a number of years. |
| <b>Mild</b>     | Low level pollution of non-sensitive water, a feasible hazardous scenario although the timeline of such occurring can probably be considered in 10's of years.                                                      | The effect of high sulphate concentrations on structural concrete. Pollution of non-classified groundwater.                                                                                                                                                                |
| <b>Minor</b>    | Harm, although not necessarily significant to human health, or with respect to other aspects of the development, which are considered implausible in terms of occurrence, or will have little consequential impact. | The presence of contaminants at such low concentrations that protective equipment is required during site works. Any damage to structures is minimal and will not be structural in characteristics.                                                                        |

## PROBABILITY OF RISK BEING REALISED (C552 CIRIA, 2001)

| Classification  | Definition                                                                                                                                                                                                                                                               |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High Likelihood | There is a viable pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence that the receptor has been harmed or polluted.                                                         |
| Likely          | There is a viable pollutant linkage and all elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term. |
| Low Likelihood  | There is a viable pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.                              |
| Unlikely        | There is a viable pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.                                                                                                                               |

## RISK CLASSIFICATION MATRIX (C552 CIRIA, 2001)

| Risk = Probability x Consequence |                 | Consequence       |                   |                   |                   |
|----------------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|
|                                  |                 | Severe            | Moderate          | Mild              | Minor             |
| Probability                      | High likelihood | Very high risk    | High risk         | Moderate risk     | Moderate/low risk |
|                                  | Likely          | High risk         | Moderate risk     | Moderate/low risk | Low risk          |
|                                  | Low likelihood  | Moderate risk     | Moderate/low risk | Low risk          | Very low risk     |
|                                  | Unlikely        | Moderate/low risk | Low risk          | Very low risk     | Very low risk     |

## HUMAN RECEPTORS

Human exposure to contaminants present in soils can occur via several pathways. Direct exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatilised compounds, and inadvertent soil ingestion (or deliberate soil ingestion in the case of some children). Other indirect pathways include human ingestion of plants grown in contaminated soil or contaminated ground or surface water. Contaminants associated with wind blown dust can affect humans on surrounding sites.

## VEGETATION

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, lead, nickel, and zinc.

To establish if the levels of contaminants present on a site may pose a risk to vegetation the results of the contamination testing are compared to a series of threshold values published in 'Code of Good Agricultural Practice for the Protection of Soil'.

## GROUNDWATER AND SURFACE WATER RECEPTORS

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology. Surface watercourses may also accumulate contamination as contaminated sediments are deposited within the water body.

Where the site investigated overlies major/principal aquifers (and in some cases minor/secondary aquifers depending on certain conditions), groundwater Source Protection Zones and areas in close proximity to groundwater abstractions, contamination test results have been compared with the Water Supply (Water Quality) Regulations 1989 and The Water Supply (Water Quality) Regulations 2000.

Should a surface water receptor, such as a fresh water environment (river, canal, stream, lake etc), or marine environment be considered sensitive in relation to a site, then test results are compared with DEFRA & SEPA Environmental Quality Standards (2004). Many of the Environmental Quality Standards are hardness ( $\text{CaCO}_3$ ) depended. Where no hardness values are available, Solmek assume conservative values (of between 0 and 50mg/l).

In the absence of vulnerable ground and surface water environments, Solmek may compare any test results with the Environment Agency Leachate Quality Threshold Values.

## DETAILED QUANTITATIVE RISK ASSESSMENT (DQRA)

In line with Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*, a DQRA for groundwater/human health may be required following a Phase 2 investigation and before the preparation of a Phase 3 Remediation Strategy. For human health DQRA, a site specific assessment criteria is undertaken using CLEA Software Version 1.06. For groundwater DQRA, the Environment Agency Remedial Targets Worksheet Version 3.1 is used.



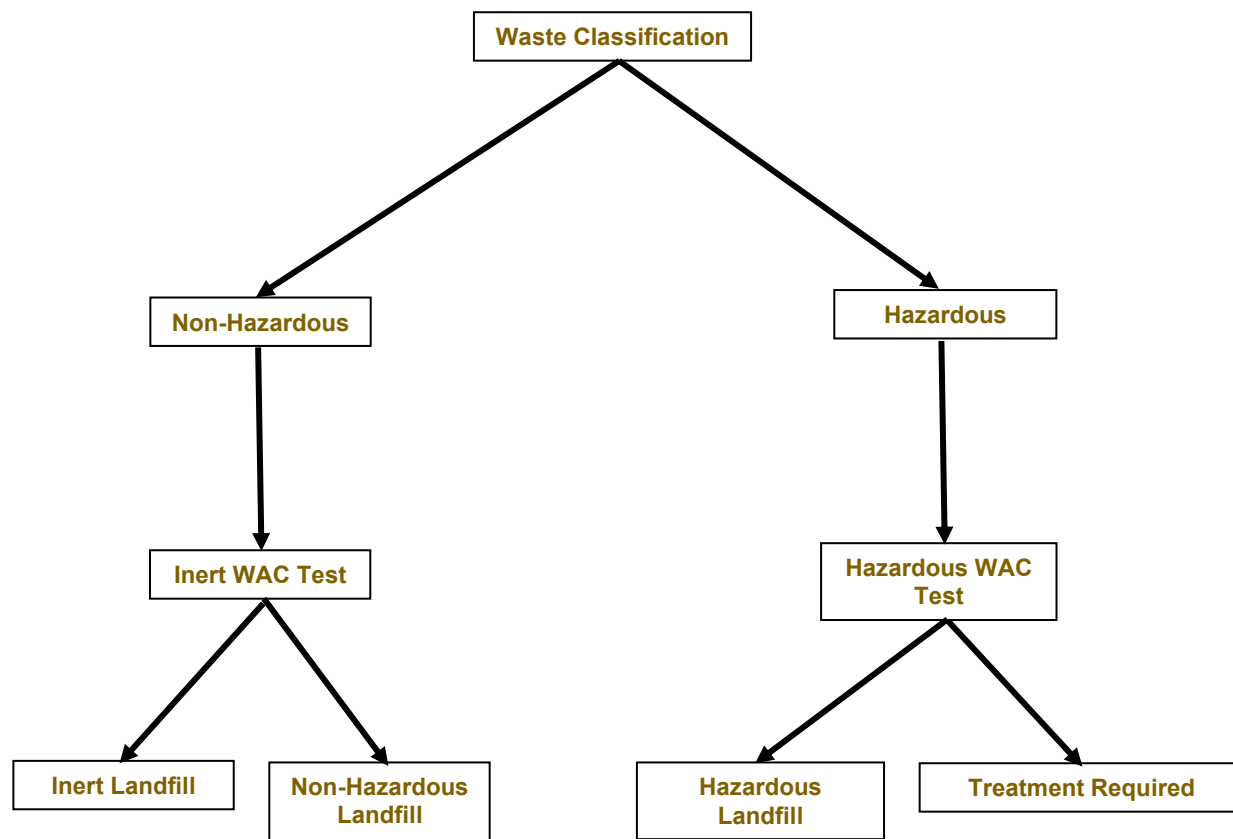
## WASTE CLASSIFICATION AND WASTE ACCEPTANCE CRITERIA

During the site strip and construction activities, material may be required to be removed from site. Any such material would require classification, in line with Environment Agency Technical Guidance *Waste Classification: Guidance on the classification and assessment of waste (2015)*. This would classify the material as either Non-Hazardous or Hazardous Waste.

Once the material has been classified, determining the suitable landfill for disposal is governed by landfill directive Waste Acceptance Criteria (WAC) testing, with landfills categorized as Inert Waste, Stable Non-Reactive Hazardous Waste and Hazardous Waste. The WAC testing relates to materials that are to be exported from a site/development to landfill, and do not directly relate to human health specifically. The testing results are generally presented as certificates which can be used by site owners/contractors etc, which should be presented to the accepting waste facility or waste contractor.

If waste classification and/or WAC testing are not undertaken, material taken off site may be subject to WAC testing by the appropriate waste disposal company. The decision on whether or not to accept waste, or whether further testing is required, is at the discretion of the waste disposal company.

The below flow chart provides further information on the waste classification process.



## CONSTRUCTION MATERIALS

Materials at risk from possible soil contaminants include inorganic matrices such as cement and concrete and also organic material such as plastics and rubbers. Acid ground conditions and high levels of sulphates can accelerate the corrosion of building materials. Where pH and soluble sulphate analysis has been undertaken, Solmek compare the test results with the guidelines presented within BRE Special Digest 1, 2005 (3<sup>rd</sup> Edition) 'Concrete in Aggressive Ground'. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (January 2011). A Brownfield Site is defined in the document as "Land or premises that have not previously been used or developed that may be vacant or derelict". It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer. The table below outlines the pipe material selection threshold concentrations.

| Parameter group                                                                              | Pipe Material (Threshold concentrations in mg/kg) |       |                         |                                               |                                                               |                                          |
|----------------------------------------------------------------------------------------------|---------------------------------------------------|-------|-------------------------|-----------------------------------------------|---------------------------------------------------------------|------------------------------------------|
|                                                                                              | PE                                                | PVC   | Barrier pipe (PE-AL-PE) | Wrapped Steel                                 | Wrapped Ductile Iron                                          | Copper                                   |
| Extended VOC suite by purge and trap or head space and GC-MS with TIC                        | 0.5                                               | 0.125 | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| + BTEX + MTBE                                                                                | 0.1                                               | 0.03  | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C5-C10) | 2                                                 | 1.4   | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| + Phenols                                                                                    | 2                                                 | 0.4   | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| + Cresols and chlorinated phenols                                                            | 2                                                 | 0.04  | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| Mineral oil C11-C20                                                                          | 10                                                | Pass  | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| Mineral oil C21-C40                                                                          | 500                                               | Pass  | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| Corrosive (Conductivity, Redox and pH)                                                       | Pass                                              | Pass  | Pass                    | Corrosive if pH <7 and conductivity >400µS/cm | Corrosive if pH <5, Eh not neutral and conductivity >400µS/cm | Corrosive if pH <5 or >8 and Eh positive |
| <b>Specific suite identified as relevant following site investigation</b>                    |                                                   |       |                         |                                               |                                                               |                                          |
| Ethers                                                                                       | 0.5                                               | 1     | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| Nitrobenzene                                                                                 | 0.5                                               | 0.4   | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| Ketones                                                                                      | 0.5                                               | 0.02  | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| Aldehydes                                                                                    | 0.5                                               | 0.02  | Pass                    | Pass                                          | Pass                                                          | Pass                                     |
| Amines                                                                                       | Fail                                              | Pass  | Pass                    | Pass                                          | Pass                                                          | Pass                                     |

## REQUIREMENTS OF PARTIES WITHIN THE DEVELOPMENT PROCESS

Interested parties involved in the development process may use the data in different ways and there may be varying views and interpretation of the factual data. Local Authority staff may have a view on contamination and human health and the wider environment. The Environment Agency are concerned principally with the protection of Controlled waters. Building insurers, funders and purchasers may be primarily concerned with issues of potential commercial blight. Purchasers are also not always fully informed, and perceptions on issues associated with risk can affect the decision to purchase. Developers and construction organisations will focus on financial aspects of dealing with the contamination in the context of the development and construction programme.

## RISKS & LIABILITIES FROM CONTAMINATION

In simple terms, risks associated with contamination may be considered in terms of 1) statutory risks and 2) development related risks. If contamination is severe or forms a potential hazard based on its potential to affect groundwater, surface water or human health, a statutory risk may be present, and as such, if the risk is not reduced, criminal proceedings may be instigated by a government body or local authority.

If the contamination is less severe or not considered to be mobile, it may be considered a commercial liability which could, in theory remain untreated, but which may at a later date affect the value of the property, or, with changing legislation, become a statutory risk. Commercial liabilities could give rise to civil proceedings by third parties if there are grounds for action.