Intermodal Logistics Park North Ltd

INTERMODAL LOGISTICS PARK NORTH (ILPN)

Intermodal Logistics Park North (ILPN) Strategic Rail Freight Interchange (SRFI)

Project reference TR510001

Preliminary Environmental Information Report (PEIR)

Appendix 15.2: Phase 2 Geo-environmental Assessment

October 2025

Planning Act 2008

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

This document forms a part of a Preliminary Environmental Information Report (PEIR) for the Intermodal Logistics Park North (ILPN) project.

A PEIR presents environmental information to assist consultees to form an informed view of the likely significant environmental effects of a proposed development and provide feedback.

This PEIR has been prepared by the project promoter, Intermodal Logistics Park North Ltd. The Proposed Development is described in Chapter 3 of the PEIR and is the subject of a public consultation.

Details of how to respond to the public consultation are provided at the end of Chapter 1 of the PEIR and on the project website:

https://www.tritaxbigbox.co.uk/our-spaces/intermodal-logistics-park-north/

This feedback will be taken into account by Intermodal Logistics Park North Ltd in the preparation of its application for a Development Consent Order for the project.

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St Helens

Phase 2 Geo-Environmental Assessment

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Notice

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This report details the findings of work carried out between the date of our appointment and the date of this report. The report has been prepared by BWB on the basis of available information obtained during the study period.

Although every reasonable effort has been made to gather all relevant information, not all potential environmental constraints or liabilities associated with the site may have been revealed. BWB has used reasonable skill, care and diligence in the design of the investigation of the site. The inherent variation of ground conditions allows only definition of the actual conditions at the locations and depths of the exploratory holes formed and at the time of the investigation. At intermediate locations, conditions can only be inferred.

Information provided by third parties has been used in good faith and is taken at face value; however, BWB cannot guarantee its accuracy or completeness.

Should additional information or records be provided following the issue of this report, or are not identified in the References section of this report, which are considered to be relevant to the study area and for which reliance can be provided, BWB should be informed in order that the content of the document can be reviewed and revised accordingly.

The work has been carried out in general accordance with recognised good practices.

Unless otherwise stated, no assessment has been made concerning soil or groundwater known or suspected to be contaminated or impacted with radioactive substances or unexploded ordnance.

Geotechnical designs should be carried out in parallel with the geo-environmental recommendations including requirements for remediation to minimise contamination risks and to undertake all earthworks in accordance with a Declared Material Management Plan.

Geotechnical recommendations provided in this report are preliminary and may be subject to further investigation, assessment and geotechnical design.

Any site boundary line depicted on plans does not imply legal ownership of land.

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY	
Site Address	The site is located to the southeast of Newton-le-Willows and the Main Site is accessed via the A579 from the east and the A573 from the west.
Site Setting	The Main Site currently comprises agricultural land with sporadic farm buildings/residences, a small bonfire area, dog training facilities and a grass airstrip (primarily for a model flying club). The site is predominantly surrounded by agricultural fields. The western area (Western Rail Chord) comprises dense vegetation and access to an active farm. The proposed development comprises a strategic Railfreight Interchange (SRFI). Current proposals include the main Railfreight port in the north of the Main Site with a shunt siding and new access road in the Western Rail Chord area of the site. The development is anticipated to include employment units for B8 uses with ancillary space and soft landscaping areas. To facilitate the development it is anticipated that a significant earthworks exercise will be required to create suitable development platforms and achieve suitable levels for the SRFI facility.
Published Ground Conditions	The Main Site is predominantly underlain by Devensian Till deposits or devoid of any natural superficial deposits. Mapping displays that Glaciofluvial Ice Contact deposits are located in the far north with small zones of Glaciofluvial Ice Contact deposits and Lacustrine Deposits in the northeast. Peat deposits are mapped within Highfield Moss (immediately to the north) and have the potential to extend onto the site. The vast majority of superficial deposits overlie the Chester Formation (sandstone) bedrock. The Kinnerton Sandstone Formation, and the Manchester Marls Formation are located beneath superficial deposits in the west of the Main Site area. The Western Rail Chord is similarly mapped as underlain by a mixture of superficial Devensian Till, with some areas being devoid of superficial deposits. The majority of this section is underlain by strata of the Chester Formation, with the eastern boundary underlain by the Manchester Marls Formation. Made Ground is not indicated to be present on site but may be present in the vicinity of roads, farms, historically potentially infilled ponds/pits, the M6 motorway, and the railway cutting.
Ground Investigation	Ground investigation works were completed between May and June 2025 with subsequent gas and groundwater level monitoring carried out until late-September 2025. The works comprised: • service clearance; • thirty-seven dynamic sampler boreholes; • eight rotary open boreholes; • seven machine excavated trial pits with six soakaway tests; • sixty-five machine excavated trial pits; • six gas and groundwater monitoring visits; • chemical analysis of soils and groundwater; and • geotechnical testing of soils.
Ground Conditions Encountered	The ground conditions encountered during ground investigations confirmed the published geology, generally comprising Topsoil (or limited Made Ground or subsoil) overlying Devensian Till, with Chester Formation bedrock beneath. Devensian Till was recorded across the majority of the Main Site, and intermittently across the Western Rail Chord directly beneath Topsoil or localised Made Ground, with the thickest Devensian Till deposits in the northeast and around Highfield Moss. Where Devensian Till was absent, strata of the Chester

	Formation was encountered underlying the Topsoil and generally weathered (to a sandy soil) when first encountered and becoming more component (sandstone) with depth. Localised areas of reworked soils were encountered in the south and northeast of the site, organic soils in the northeast (former pond areas), Glaciofluvial Ice Contact Deposits in the northeast, and Lacustrine Deposits in the northeast.
Hydrogeological Conditions Encountered	Limited groundwater strikes were encountered during drilling/excavations in the shallow soils and weathered sandstone. These appear to be perched pockets of groundwater rather than being reflective of any significant shallow continuous body of groundwater. Subsequent monitoring has also identified limited groundwater within the wells installed within the Devensian Till. The deeper rotary boreholes recorded groundwater strikes during drilling in the sandstone of the Chester Formation at depths of between 12m and 29m bgl. Resting levels were recorded at depths of between 6.2m bgl in the north of the main site, and 19m bgl in the southeast of the main site. The Principal Aquifer within the Chester Formation is unconfined. The groundwater monitoring data indicates that there is no connectivity between the shallow groundwater beneath the Main Site and shallow groundwater within the adjacent Highfield Moss. This indicates that the peatland at Highfield Moss acts as a 'bog', which is precipitation recharged, rather than a 'fen', which is groundwater recharged. From the results of infiltration/permeability testing, the permeability is variable across the site between Low/Moderate and Moderate/High within the Weathered Chester Formation. Therefore, it is concluded that soils have highly variable permeability. Areas of high/moderate permeability are likely to be suitable for soakaway drainage. However, areas of low permeability may not be suitable for soakaway drainage.
Geotechnical Appraisal	The intended development will require earthworks to comprise the cut and fill of approximately 1.36M m^3 of soils across the site to create development platforms, railbeds and roadways. A review of proposed earthworks isopachytes and groundwater levels at the site indicates that the earthworks are not expected to encounter permanent groundwater. While shallow bedrock is present across large parts of the site, it is highly weathered and expected to be excavatable using standard heavy plant (e.g. 20-40 excavators) excavators. Some soft, organic clay soils were recorded near pond features located in the east of the Main Site, reflective of former ponds features that have silted up. These areas should be excavated out as part of the earthworks programme and replaced with Engineered Fill. Additionally, the Devensian Till encountered at the site was found to be of low strength and compressible, particularly where thin and in the upper horizons. Therefore, in conjunction with the earthworks, some form of ground improvement, either over-excavation and replacement as Engineered Fill, or utilising vibro stone columns, is likely to be required for the development. This is particularly relevant for the Phase 3 area, but also applies to other parts of the site, underlain by such Till. Following the earthworks and ground improvement, shallow spread foundations and ground bearing floor slabs are expected to be suitable across the Main Site. Concrete to be cast in contact with the near-surface soils at the site should be designed for Design Sulphate (DS) and Aggressive Chemical Environment for Soils (AC) classes DS-2, AC-2.
Environmental Appraisal	No evidence of contamination was identified during the intrusive works and subsequent monitoring visits. Of the sixty-two soil samples collected, no exceedances of the applied generic site assessment criteria were identified. No organic contamination has been identified that presents a risk of tainting new or existing water supply pipes. The

	site is considered unlikely to pose a significant risk to Human Health in the context of the proposed development at the site. Of the gas monitoring completed, no elevated concentrations of carbon dioxide or methane were recorded with the exception of two occasions where carbon dioxide was recorded at 5.0%v/v in the Western Rail Chord Area and at 10.4%v/v in the northeast of the Main Site; flow rates remained generally below <0.1l/hr with a maximum recorded flow rate of 2.5l/hr. Given the varied ground model and development areas, the site has been zoned with the majority of the site characterised as CS1, and part of the northeast of the Main Site as CS2 where organic rich soils were identified; these soils are to be removed due to geotechnical unsuitability reducing the gas regime to CS1. However, if this does not occur, gas protection measures are recommended. No buildings are proposed in the Western Rail Chord Area and as such mitigation relates to construction workers in excavations only. No gas monitoring has been completed in the west of the Main Site which is noted to be in the vicinity of the former colliery; however, this is classified as CS1 based on the anticipated ground conditions, pending confirmatory ground investigation and gas monitoring. Of the three groundwater samples collected, limited exceedances have been identified for pH and nickel (likely related to natural background concentrations) and iron (potential localised source). No widespread contamination has been identified with activities at the site and therefore site soils are considered unlikely to pose a significant risk to Controlled Waters.
Materials Management	The site is greenfield with earthworks requiring the cut and fill of approximately 1.36M m^3 of soils across the Main and Western Rail Chord Site to create development platforms, railbeds and roadways. Re-use of soils will need to be undertaken under a suitable earthworks specification and Materials Management Plan which will be prepared prior to the start of works. A Site Waste and Materials Management Plan is being prepared under separate cover on the wider strategy for dealing with soils / materials / waste. Should any soils require disposal off site an assessment of waste classification of the soils for disposal should be made by a competent person. An initial waste characterisation assessment indicates that the soils analysed are likely to be classified as non-hazardous.
Recommendations	Targeted investigation should be undertaken in due course to delineate the extents of the soft organic material of the former ponds to inform areas that need to be removed. If these materials are left in situ, then gas protection commensurate with CS2 will be required. Ground investigation and gas monitoring is required in the west of the Main Site to confirm the conclusions drawn within this report. Further recommendations are provided at the rear of this report text **Section 13**.
This summary should be read in conjunction with BWB's full report (ref. ILP-BWB-EGT-XX-RP-LE-0002_Ph2) and reflects an assessment of the Site based on information received by BWB at the time of production.	

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1. INTRODUCTION

Instruction

1.1 BWB Consulting (BWB) was instructed by Intermodal Logistics Park North Ltd (the Client) to carry out a Phase 2 Geo-Environmental Assessment. Details of the project brief are included in BWB proposal reference 233398_ILPNorth_GeoIPEISt2_241009_P3 dated February 2025.

1.2 The proposed development comprises a Strategic Rail Freight Interchange (SRFI) and approximately 2.2 million square feet of B8 distribution development at land near Newton-Le-Willows in the St Helens Borough. The facility will include new rail sidings which are anticipated to be constructed in the Western Area of the site.

1.3 The proposed development Masterplan is provided in **Appendix 1**.

1.4 To facilitate the development, it is anticipated that a significant earthworks exercise will be required to create suitable development platforms and achieve suitable levels for the SRFI facility. The proposed isopachytes drawing is included as **Appendix 2**.

Previous Reports

1.5 The following geo-environmental reports have previously been completed for the site by BWB and others:

- Soakaway Assessment Report, by Waterman Civils Consulting Engineers for Parkside SRFI, dated November 2007;
- Investigation of Imported Material, Parkside Colliery, by Wardell Armstrong for Addleshaw Booth & Co, dated January 2000;
- Eastern Spoil Tip, Investigation of Imported Materials, by Wardell Armstrong for Addleshaw Booth & Co, dated July 2000;
- Ground Investigation at Parkside Colliery, Newton Le Willows Feasibility Assessments, by Geotechnics, for Astral Developments Limited, dated October 2004;
- Parkside Regeneration Preliminary Geoenvironmental Assessment, by Cundall, for Parkside Regeneration LLP, dated June 2017;
- Phase 1 Site Appraisal for the Land to the east of Newton Park Drive, Newton Le Willows, by Patrick Parsons, for Oaktree Developments, dated January 2019;
- Parkside Regeneration Phase II Geotechnical and Geoenvironmental Assessment, by Cundall for Parkside Regeneration LLP, dated June 2023; and
- '*Phase 1 Geo-Environmental Report*' by BWB Consulting Ltd for Tritax Symmetry SRFI North Ltd, reference PSE-BWB-EGT-XX-RP-YE-0001_Ph1, dated June 2025.

1.6 The following report is also available for the area of the site that is located east of Parkside Road. However, the Client does not have reliance on this report and so it is included for information only:

- '*Phase 2 Site Investigation*' by ROC Consulting Ltd for Harworth Estates Property Group Ltd, reference 4597-ROC-ZZ-XX-RP-ES-P2SI01, dated July 2023.

Objectives

1.7 The objectives of the report are to assess:

- The prevailing ground and groundwater conditions across the site;
- The potential presence and extent of contamination in shallow soil and groundwater beneath the site;
- The significance and magnitude of the observed contamination through comparison of analytical data to appropriate published environmental screening criteria;
- The geotechnical properties of the ground beneath the site to enable geotechnical assessment and foundation options appraisal; and
- The ground gas regime beneath the site.

1.8 The above objectives will allow the preliminary Conceptual Site Model presented in the Phase 1 report to be verified and updated. The report has been completed in accordance with BS10175:2011(+A2:2017) 'Investigation of Potentially Contaminated Sites, Code of Practice' and EA Guidance on Land Contamination Risk Management https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm.

1.9 This report presents the information obtained from a desk study and the supplementary ground investigations and contains relevant factual information from the previous investigations undertaken by others. The report, together with the associated Figures and Appendices, provides a Ground Investigation Report (GIR), as defined in BS EN 1997-1:2004(+A1:2013) and BS EN 1997-2:2007.

Scope of Works

1.10 The ground investigation scope of works was completed between 23/04/2025 and 24/06/2025 followed by a period of monitoring and comprised the following

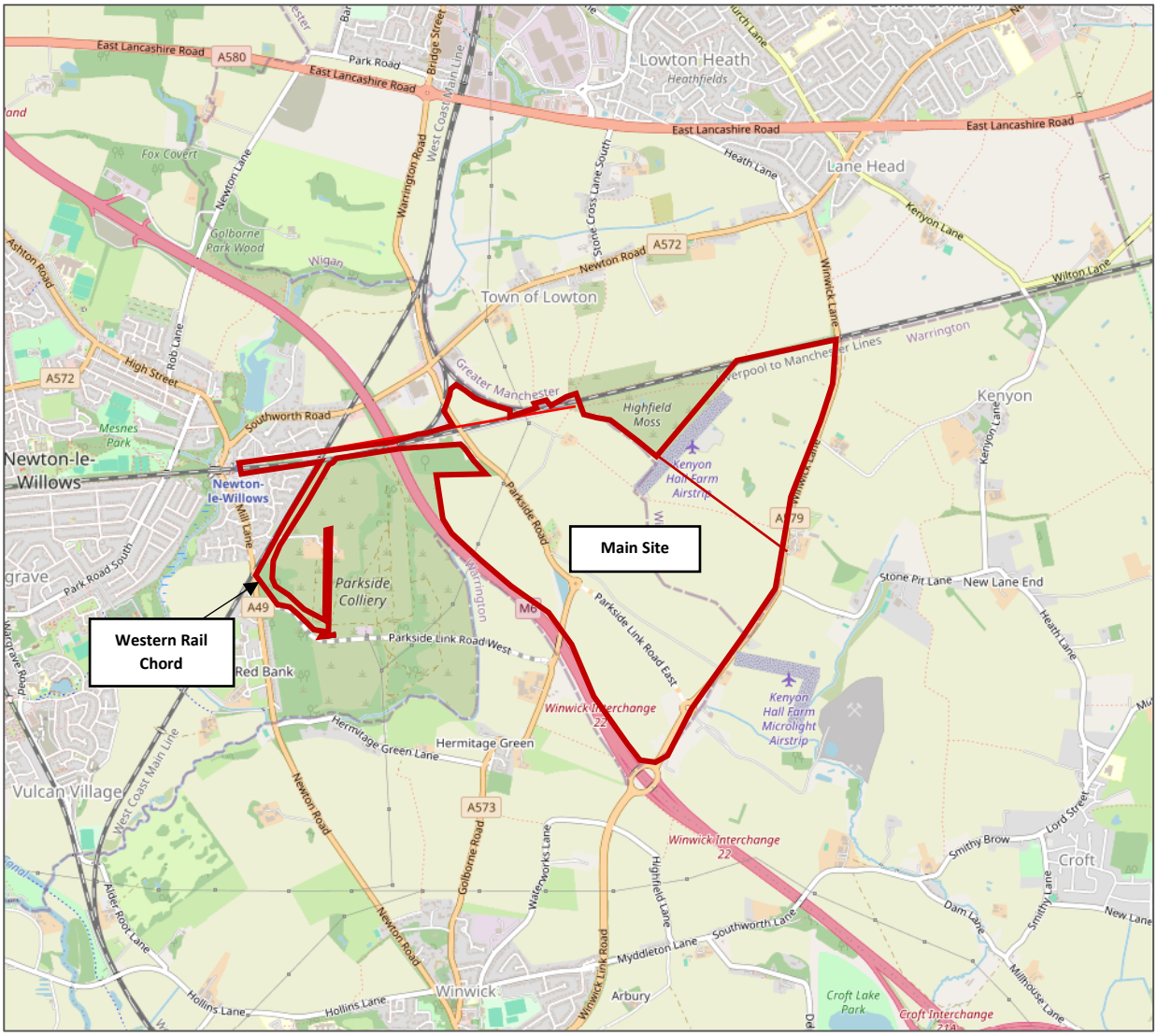
- Non-intrusive survey of excavation locations for underground utilities;
- Thirty-seven dynamic sampler boreholes;
- Eight rotary "open-hole" boreholes;
- Seven machine excavated trial pits with six soak-away tests;
- Sixty-five machine excavated trial pits;
- Six gas and groundwater level monitoring visits;
- Chemical analysis of soils and groundwater; and
- Geotechnical testing of soil.

2. THE SITE

Site Location

2.1 The site is located at Intermodal Logistics Park North, in St Helens, centred at National Grid Reference 361107, 394899. The approximate location of the site is shown below in Figure 2-1.

Figure 2-1: Site Location Plan



Site Description

2.2 The site is an irregularly shaped parcel of land that covers a total area of approximately 200 hectares.

2.3 The Western Rail Chord generally slopes in a southerly direction. The rail track which is located on the northern boundary lies at approximately 34m AOD. The site remains consistently at this level before sloping from the centre to an approximate low point of 28m AOD in the far south.

2.4 The Main Site area of the site generally slopes gently in a southerly and easterly direction. The elevation is approximately 34m AOD in the north, with a high point of 37m AOD centrally, returning to 34/35m AOD in the south and the far east, and decreasing further to 30m AOD in the southeast.

2.5 The Main Site was predominantly utilised for agricultural purposes with sporadic farms/residences within. An area of woodland and ponds were located in the east. The Western Rail Chord was predominantly unused and overgrown with vegetation, with a farm within the wider area. The site borders a former colliery immediately to the west.

Main Site

2.6 The Main Site predominantly comprised open fields used agriculturally. A railway within a cutting, and the Highfield Moss SSSI bordered the site to the north, the M6 bordered the site to the west and the south, and the A579 bordered the site to the east and the south. Overhead pylons ran throughout, oriented east/west in the north of the Main Site.

2.7 Highfield Moss was located in the far north, separated by a woodland area and a ditch, which was largely dry at the time of the site visit. Highfield Farm was located within the northern portion. Along a footpath towards the A579, evidence of burning was visible next to a structure which may be used for shooting activities. An airfield strip, comprising a grass landing strip, and the Moss Pits were located in a field adjacent to the Highfield Moss. Moss Pits are indicated to be pods/lagoons within small parcels of woodland but were not observed during the site visit as access was not available to this area.

2.8 Parkside Farm was located in the centre area. Parkside Road ran adjacent to this, and a concrete road connected Parkside Road to the A579. A segregated area which had been recently planted with trees was located just off Parkside Farm, the unnamed concrete road, and Parkside Road.

2.9 The northeast of site comprised a small compound used for dog training, as accessed from its own gate on Winwick Lane. Numerous old vehicles and vehicle parts were also present in this compound in states of disrepair. The ground was approximately 2m higher than the surrounding fields.

2.10 Another dog training area with gravel parking was present southeast of the airstrip along a footpath towards the A579. Adjacent was an area used for burning agricultural waste. On the east boundary near Mains Lane a 10 x 5m area of hardstanding marked the access to the site.

Western Rail Chord

2.11 The western site was accessible via Newton Park Drive to the west. The general area was heavily vegetated and inaccessible. Several buildings off the access road were derelict and supported by scaffolding. Some evidence of minor fly tipping was visible off this access road. A footpath running approximately south at the entrance to the Newton Park Farm provided pedestrian access towards the Parkside Colliery access road.

Site Surroundings

2.12 The surrounding land uses of the site are summarised in **Table 2:1**.

Table 2:1: Surrounding Land Use

Surrounding Land Use	
North	A railway within a cutting is located on the northern boundary as well as the Highfield Moss SSSI.
West and South	The M6 Motorway borders the Main Site to the west and south.
East and South	The A579 borders the Main Site to the east and south.

Previous Third-Party Reports' Summary

2.13 Several previous reports are listed and reviewed in the BWB Phase 1 Report Section 5. A summary is provided below.

2.14 The reviewed investigations collectively confirm that ground conditions across the site generally align with BGS mapping, comprising topsoil over Made Ground, which was deepened in places, underlain by Glacial Till or weathered sandstone bedrock, with colliery spoil encountered locally in the former colliery area to significant depths.

2.15 Groundwater was recorded at varying depths, with levels ranging from shallow strikes within Glacial Till (approximately 1.4–2.1m bgl) to deeper resting water levels of approximately between 7–9m bgl, and wider monitoring across the colliery indicating elevations between 22.7m and 38.9mAOD. Infiltration testing identified low permeability soils, suggesting soakaway drainage is feasible but would likely operate slowly. Chemical testing of soils and imported materials localised exceedances of heavy metals, PAHs and asbestos were reported within the former Parkside Colliery Site and all within one order of magnitude of guideline values.

2.16 The previous reports assessed the site as Characteristic Situation 1 (CS1) for ground gas based on limited monitoring.

2.17 Aggressive ground assessments indicate concrete classifications of DS-1 to DS-2 and ACEC AC-1 depending on whether foundations are in Made Ground or natural deposits. Observations highlight the presence of variable Made Ground thicknesses and potential differential settlement in areas of fill, necessitating careful selection of foundation solutions. Overall, the reports conclude that the ground conditions present no significant constraints to redevelopment, provided foundations are designed

appropriately, slow infiltration rates are considered in drainage strategies, and standard precautions are taken to address minor contamination risks.

Regulatory Setting

2.18 The BWB Phase 1 Report provides a full description of Regulatory Setting, and a summary is provided below.

2.19 Several land uses are located in close proximity to the site and include petrol stations within 50 to 200m, numerous historical garages within 50m, licensed industrial and pollutant release activities, multiple licensed discharges to controlled waters (closest 50m west), and nine recorded pollution incidents within 500m.

2.20 Several historical landfill sites lie close to the site, including inert and industrial waste deposits the closest of which is recorded 25m southeast and northwest, with further sites up to 500m away. Several waste exemptions exist within 500m, including three on-site exemptions relating to storage, reuse, and spreading of waste.

Site History

2.21 From the mid to late 19th Century until the time of investigation, the site has remained mainly undeveloped open fields with several farms/residences and ponds noted. A rail line was aligned east/west in the far north of the site, and a tank was mapped adjacent to this from 1906 to 1956. In the 21st Century, a grass airstrip opened southeast of Highfield Moss.

2.22 Mains Pits and Moss Pits were present in the eastern Main Site, with Mains Pits possibly infilled after 1938. By 2012, the land used for the Kenyon Hall Farm Airstrip (GB-0734) appears to have been cleared, though it is unclear when the airstrip was first operational. A small building is present in the northeast of site (noted on the walkover as a dog training facility).

2.23 From 1964 onwards, small ponds in the northeast and northwest of the site were gradually removed or potentially infilled. Parkside Colliery encroached slightly on the western boundary (noted to be closed by 1992 on the planning portal), and a quarry operated by Gaskell Bros WM&C Ltd was located southeast of the Main Site. By 2021, small plant and vehicles were present around the dog training facility in the northeast. By 2024, several ponds across the site were no longer present, likely infilled. Surrounding land remained predominantly agricultural, with some industrial and sandstone quarrying activities.

3. ANTICIPATED GROUND CONDITIONS

Published Geology

3.1 Information published by the BGS indicates that the nature of Superficial deposits on site are variable. The Main Site area of the site is largely underlain by a combination of Devensian Till with some areas that are devoid of any natural Superficial deposits. The far north and northeast of this section are underlain by Glaciofluvial Ice Contact Deposits (Devensian sand and gravel); a small area of Lacustrine Deposits also underlies the northeastern section of site. It is worth noting that Peat deposits are mapped within Highfield Moss which is situated immediately to the north of the central section and therefore may extend onto the site.

3.2 The vast majority of Superficial soils overlie strata of the Chester Formation (sandstone) bedrock. The Kinnerton Sandstone Formation, and the Manchester Marls Formation underlie Superficial deposits in the west of the Main Site area.

3.3 The Western Rail Chord is similarly mapped to be underlain by a combination of Devensian Till as well as areas devoid of Superficial deposits. The whole of this section is underlain by strata of the Chester Formation bedrock (likely weathered to a granular soil consistency, near surface).

3.4 Several faults are located on site. One is orientated northwest to southeast through the northern section of the Main Site. Two are aligned north/south through the railway line in the northwest of site. Another encroaches on the western edge of the Western Rail Chord.

3.5 Whilst not mapped, the site is likely to have Made Ground present especially within historically infilled ponds/pits, around the farm locations, and in areas bordering the Railway cutting, the M6 and the A579.

Mining

3.6 The site lies within a coal mining reporting area and a JPB mining area, with historical workings linked to the former Parkside Colliery. Following two historical mine gas incidents, remedial works were undertaken by British Coal in 1994 at a nearby mine shaft. The shaft (ref. 359394-001) was filled and capped with reinforced concrete and incorporates a gas vent that is actively monitored with a monthly frequency. Ground investigations undertaken by others in the vicinity of this area indicate CS1 ground gas regime. Nine abandoned mine plans intersect the site, though the shallowest workings at 361m bgl are too deep to result in future land subsidence.

3.7 A rejected subsidence claim exists for land east of Moss Pits, and a sandstone Historical Mineral Planning Area lies 10m southeast, associated with Southworth Quarry.

Hydrogeology

3.8 The Environment Agency (EA) primarily classifies the Devensian Till as a Secondary Undifferentiated Aquifer; the Glaciofluvial Ice Contact deposits as a Secondary A Aquifer; and the Lacustrine deposits as Unproductive Strata.

3.9 The Chester Formation is classed as a Principal Aquifer, with The Manchester Marls Formation being classed as a Secondary A Aquifer and the Kinnerton Sandstone Formation being classed as a Secondary B Aquifer.

3.10 Active groundwater abstractions are recorded including dewatering at Southworth Quarry (500m southeast) and potable water abstractions (470m west and 837m east). Three minor pollution incidents affecting water have been recorded within 210m west of the site. The site lies mainly within a currently defined EA Source Protection Zone 3, with a small section in Zone 2, and is part of the Lower Mersey Basin and North Permo-Triassic Sandstone Aquifers groundwater body (poor chemical and quantitative status). The groundwater flood risk is generally negligible to low, with limited areas of moderate risk in the northeast and west.

Hydrology

3.11 Several watercourses are located on site; a drain flows alongside Highfield Moss. This feature was noted to be largely dry with localised standing water during the site walkover undertaken as part of the BWB Phase 1 Report.

3.12 Newton Brook is located 63m west of site, flowing in a southerly direction; Cockshot Brook is located directly east site and also flows in a southerly direction. A further unnamed watercourse is indicated to flow northward (based on site topography) from the railway within the central-northern edge of the site.

Environmental Sensitivity

3.13 Several sensitive sites are located in the surrounding area and are listed in the BWB Phase 1 Report. A Site of Special Scientific Interest (SSSI), the Highfield Moss, is located immediately north of the Main Site along with a Network Enhancement Zone 1 and a Primary Habitat, Open Access Land and a Priority Habitat (Lowland fens).

4. PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

Introduction

4.1 The risk posed by any contaminants in soil or groundwater will depend on the nature of the hazard, the probability of exposure, the pathway by which exposure occurs, and the likely effects on the receptors. A contaminant is defined as a substance that has the potential to cause harm, while a risk is considered to exist if such a substance is present in sufficient concentration to cause harm and a pathway exists for a receptor to be exposed to the substance.

4.2 The following sections discuss all the identified potential on and off-site sources, pathways and receptors in the context of the proposed development and potential contaminant linkages which may represent a risk to identified receptors such as human health and/or controlled waters from the data gained from the desk study. At this stage, the assessment is qualitative and aimed to determine all potential contaminant linkages, irrespective of significance or allowing for uncertainty.

4.3 Three impact potentials exist for any given site; these are:

- The site impacting upon itself;
- The site impacting on its surroundings; and
- The surroundings impacting on the site.

4.4 All three impacts need to be considered in a risk assessment.

4.5 A Source, Pathway, Receptor analysis has been undertaken for the site based on the information provided in the preceding sections. This is presented as **Table 4:1** and further information about the risk classification scheme is included within **Appendix 3**.

4.6 Sources (S); These are potential or known sources of contamination that may relate to a former land use or present site feature or process (e.g. fuel storage tanks). Further detail relating to the Sources is provided in Table 8.1 of the BWB Phase 1 Report. A site features plan developed as part of the BWB Phase 1 Report is provided in **Drawing 1**.

4.7 Pathways (P); A pathway is defined as a mechanism or route by which a contaminant comes into contact with or otherwise affects a receptor. Pathways by which the identified receptors may be impacted upon in the context of the proposed development. Further detail relating to the Pathways is provided in Table 8.2 of the BWB Phase 1 Report.

4.8 Receptors (R); Receptors are defined as people, living organisms, ecological systems, controlled waters, atmosphere, structures and utilities that could be adversely affected by contaminant(s). Further detail relating to the Receptors is provided in Table 8.2 of the BWB Phase 1 Report.

4.9 Under the Construction Design Management (CDM) Regulations 2015, construction and maintenance contractors must undertake their own risk assessments and mitigation to protect their staff, other human receptors and the environment from potential

contamination. By law potential risks to human health and the environment from construction activities must appropriately identified and all necessary steps taken to eliminate/manage that risk. Therefore, construction workers are excluded as a receptor in the CSM.

Table 4:1: Preliminary Conceptual Site Model

Source	Pathway	Receptor	Con	Prob	Risk	Potential Mitigation/Investigation Requirements
On-site sources as detailed in **Table 8:1 of the BWB Phase 1 Report**	Dermal contact with, and incidental ingestion of soil and/or dust. Inhalation of dust and/or fibres.	Future site users (commercial)	Md	UI	L	As part of the proposed development, it is anticipated that hardstanding will be present across the majority of the site. This will limit the potential for direct contact with, and minimise dust generation from, potentially contaminated soils at the site post construction. In public open space/landscaped areas the provision of a clean capping layer would restrict direct access to potentially contaminated soils. It is recommended that an intrusive ground investigation be completed in order to assess the extent of any potential contamination at the site.
		Intrusive maintenance workers	Md	UI	L	The exposure of intrusive maintenance workers can be mitigated by the adoption of suitable working methods, utilising appropriate personal protective equipment (PPE) and maintaining good hygiene. If significant asbestos is recorded, the requirements of the Control of Asbestos Regulations (CAR) 2012 should be complied with.
	Inhalation of vapours.	Future site users (commercial)	Md	UI	L	In the event that elevated concentrations of volatile contaminants are identified during ground investigation works, potential sources of vapours such as Made Ground and contaminated soils/groundwater could potentially be mitigated through removal or treatment prior to construction, or the installation of protection measures may be required during construction to mitigate the potential risk to future site users from vapours.
	Migration and accumulation of ground gases in enclosed spaces leading to asphyxiation (carbon dioxide) or explosion (methane).	Future site users (commercial)	Sv	UI	M/L	Lacustrine deposits are reported to be present in the northeast of the site. Peat, mapped within the Highfield Moss has the potential to extend onto the site boundary. Both of these soils may contain organic material. Limited Made Ground is expected across the site but may be present within the potentially historically potentially infilled ponds/pits, in close proximity to farms, the M6 motorway and the railway cutting. The presence of the above indicates a potential risk from ground gases. Ground investigation should include the installation of ground gas monitoring wells to assess the risk posed from ground gases. The possible presence of gases related to mine workings in the Western Rail Chord are considered unlikely to affect the proposed development in this area as no buildings are currently proposed.

Source	Pathway	Receptor	Con	Prob	Risk	Potential Mitigation/Investigation Requirements
	Leaching and permeation through soil profile.	Groundwater: Underlying Principal Aquifer and Source Protection Zones	Md	UI	L	A significant source of contamination has not been identified at the site. The risk should be quantified through appropriate ground investigation and risk assessment.
	Vertical and lateral migration of contaminants.		Md	UI	L	
	Surface run-off.	Cockshot Brook and unnamed inland river	Md	UI	L	
	Direct contact.	Water utility pipes	Md	UI	L	Organic compounds in the shallow soils could taint the water supply. A ground investigation and subsequent laboratory analysis should be undertaken to inform the design of new services.
		Electricity Cable	Md	UI	L	Cables placed in highly calorific soils could present a combustion risk. Ground investigation should be undertaken to assess the risk.
		Buried structures/ foundations.	Md	UI	L	Sulphates and low pH in the ground could accelerate the degradation of buried concrete structures (e.g. foundations). Ground investigation should include an assessment of the concrete design class. The Manchester Marls Formation underlying the superficial deposits and possible colliery spoil in the west on site has the potential to accelerate the degradation of buried concrete structures.
	Lateral migration of contaminated groundwater.	Groundwater: Underlying Principal Aquifer and Source Protection Zones	Md	UI	L	Several localised sources of potential contamination were identified adjacent to the site, which could possibly migrate towards site. Intrusive ground investigation should be undertaken to quantify the risk. It is expected that the partial cohesive ground conditions in some areas will minimise groundwater migration from off-site, however, this should be confirmed through ground investigation. Where possible, groundwater monitoring wells should be located along the site boundaries in order to delineate any potential contamination.

Source	Pathway	Receptor	Con	Prob	Risk	Potential Mitigation/Investigation Requirements
Off-site sources as detailed in **Table 8:1 of the BWB Phase 1 Report**	Inhalation of vapours.	Future site users (commercial)	Md	Ul	L	If elevated concentrations of volatile contaminants are identified during ground investigation works further delineation may be required to identify the source in order to design appropriate mitigation measures.
		Intrusive maintenance workers	Md	Ul	L	
	Migration and accumulation of ground gases in enclosed spaces leading to asphyxiation (carbon dioxide) or explosion (methane).	Future site users (commercial)	Sv	Ul	M/L	Ground gas monitoring should be completed as part of an intrusive ground investigation in order to characterise the ground gas regime at the site. Where possible, monitoring wells should be located along the site boundaries in order to delineate any potential contamination.
	Lateral migration of contaminated groundwater.	Groundwater: Underlying Principal Aquifer and Source Protection Zones	Md	Ul	L	Several localised sources of potential contamination were identified adjacent to the site, which could possibly migrate towards site. Intrusive ground investigation should be undertaken to quantify the risk. It is expected that the partial cohesive ground conditions in some areas will minimise groundwater migration from off-site, however, this should be confirmed through ground investigation. Where possible, groundwater monitoring wells should be located along the site boundaries in order to delineate any potential contamination.

VH = Very High, H = High, M = Moderate, M/L = Moderate/Low, L = Low, VL = Very Low

KEY: Sv = Severe, Md = Medium, Mi = Mild, Mr = Minor, Hi = High, Li = Likely, Lw = Low Likelihood, Ul = Unlikely

Contaminant linkage Assessment Summary

When considered in the context of the conceptual site model and the historical activities that have taken place (farming activities), the proposed development is considered to pose a **MODERATE/LOW** risk to human health. It is considered that the main driver for the risk rating for human health is potential for hazardous ground gases to arise from localised Made Ground and possible organic rich natural deposits on-site.

The risk posed to controlled waters is predominantly considered to be **LOW** due to the lack of significant contamination identified at the site.

It is recommended that a ground investigation be undertaken to quantify the identified potential contaminant linkages and assess likely mitigation measures.

5. PHASE II ENVIRONMENTAL AND PRELIMINARY GEOTECHNICAL GROUND INVESTIGATION

Scope of Works

5.1 Intrusive ground investigation works were undertaken between 23/04/2025 and 24/06/2025 followed by a period of monitoring and comprised the following works:

- Clearance of investigation locations by a specialist buried utilities' tracing company;
- Collection of coordinates and elevations of exploratory hole locations;
- The formation of thirty-seven boreholes (DS01 – DS22, DS26, DS27, and DS29-DS41 inclusive) by dynamic sampling drilling techniques, to depths of up to 5m bgl with in situ SPTs at regular depth intervals and installations of gas and groundwater monitoring wells on completion;
- The formation of eight rotary 'open-hole' drillholes with air flush system to depths of up to 30.00m bgl with installations of gas and groundwater monitoring wells on completion;
- The excavation of seven machine-excavated trial pits and formation of six (SA01 to SA06 inclusive) to depths of up to 2.10m bgl with soakaway permeability testing.
- The formation of sixty-five machine-excavated trial pits (TP01 to TP51 and TP59 to TP65, TP67B to TP72 inclusive) to depths of up to 3.80m bgl;
- Collection of environmental soil and groundwater samples for chemical analyses at a UKAS and MCERTS accredited laboratory;
- Collection of Class 3/4 large and small disturbed samples for geotechnical testing at a UKAS accredited laboratory; and
- Six post investigation ground gas and groundwater level monitoring visits.

5.2 An exploratory hole location plan is presented as **Drawing 2**. BWB exploratory hole records are presented as **Appendix 4,** the SPT calibration certificate is presented in **Appendix 5**, and the post investigation gas and groundwater monitoring data is presented as **Appendix 6**.

5.3 The ground investigation works were undertaken in general accordance with BS5930:2015(+A1:2020) 'Code of Practice for Ground Investigations' and BS10175:2011(+A2:201&) 'Investigation of Potentially Contaminated Sites'.

5.4 The rationale for the ground investigation works are presented in **Table 5:1** below. Where locations were not completed, further details are provided in **Section 5.17**.

Table 5:1: Ground Investigation Rationale

Location(s)	Purpose
RO01-RO08 *(RO09 and R010 not completed)*	Facilitate well installation into the sandstone aquifer
DS01, DS09, DS11, TP04, TP05, TP07, TP08, TP12, TP14, TP17, TP26, TP31, TP33, TP35	Ground conditions within former pond areas*
TP06, TP10, TP11, TP40-TP42, TP46, TP47	Ground conditions near the Highfield Moss and peat extents
TP71, DS06	Ground conditions around farm buildings
DS26-DS30 *(DS28 not completed)*	Inform bridge geotechnical solutions
DS02, DS04, DS05, DS09, DS10, DS21, DS22, DS30-DS35	Facilitate well installation for hydrogeological assessment of the Highfield Moss
TP65 and TP67B *(TP66 not completed)*	Inform new farm access road
TP59-TP64, TP68-TP70, DS36, DS38-DS41	Inform rail alignment
Remaining locations *(DS23-DS25 and TP52-TP58 not completed)*	General site coverage
SA01-SA06 *(SA07 and SA08 not completed)*	Inform drainage design

***Drawing 3** indicates the locations of the former ponds.*

Chemical Sampling Strategy

5.5 Chemical samples were taken across site to give a full coverage of the area, with particular attention paid to areas of Made Ground including suspected infilled ponds and around farm buildings.

Sampling Strategy

5.6 Response zones of the rotary open holes were positioned to capture deeper groundwater strikes. Response zones in dynamic sample boreholes were positioned to capture the ground gas regime beneath the site, capture any shallow groundwater strikes, and to inform the hydrogeological assessment of the Highfield Moss.

Chemical Analytical Strategy

Soil Strategy

5.7 Selected soil samples collected from exploratory hole locations were sent to I2 Analytical Ltd (UKAS and MCERTS accredited) for chemical analysis. The following chemical analytical testing was undertaken:

- Sixty-two soil samples tested for a soil suite (BWB Standard Suite) comprising arsenic, barium, beryllium, water soluble boron, cadmium, chromium, hexavalent chromium, copper, lead, mercury, nickel, selenium, vanadium, zinc, water soluble sulphate (2:1

extract), total phenols, total cyanide, free cyanide, complex cyanide, soil organic matter, pH, Polycyclic Aromatic Hydrocarbons (PAHs) (United States Environment Protection Agency priority 16 compounds) and Total Petroleum Hydrocarbons (TPH) C6-C40;

- Twelve soil samples for asbestos screening;
- Eleven soil samples tested for pesticides, GC pesticides, and Triazene Herbicides; and
- Six soil samples tested for Polyfluoroalkyl substances (PFAS).

5.8 The results of the soil chemical testing are presented as **Appendix 7**.

5.9 The above soil chemical testing was targeted based on the following rationale presented within **Table 5:2**.

Table 5:2: Analytical Strategy

Location	Depth (m bgl)	Stratum	Analysis	Reason
All locations	0.20-1.95	Made Ground/ Topsoil	BWB Standard suite	General site screen
DS01-DS06, DS18, DS20, DS21, DS31-DS33, DS38, DS41, RO01	0.30-3.00	Devensian Till	BWB Standard suite	General site screen
DS17, DS19, DS22, DS26, DS30, DS34, DS35, DS37, DS39, RO07	0.50-1.80	Weathered Bedrock	BWB Standard suite	General site screen
DS01, DS02, DS07, DS09, DS15, DS16, DS18, DS31, DS37, RO01, RO04	0.10-0.60	Topsoil	Pesticides, GC pesticides, Herbicides	Topsoil pesticide and herbicide screen
DS05, DS09, DS11, DS14, DS17, DS26, DS27, RO01, TP32, TP43, TP71	0.20	Made Ground/ Topsoil	Asbestos screen	General site screen
TP17	0.20	Topsoil	Asbestos screen	Screen close to bonfire area
DS04, DS20, DS31	0.20-0.50	Topsoil	PFAS suite	General site screen associated with waste spreading
DS06, TP65, TP67	0.40-0.60	Made Ground	PFAS suite	

5.10 No olfactory evidence of volatiles was identified during the intrusive works, as such no laboratory analysis was undertaken for volatile organic compounds (VOCs).

Groundwater Strategy

5.11 Groundwater samples were obtained using a peristaltic pump and low flow system, with the exception of DS08, which was a grab sample due to limited water recharge. The groundwater samples were sent to I2 Analytical Ltd (UKAS and MCERTS accredited) for the following suite of groundwater chemical testing:

- Three groundwater samples tested for arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, vanadium, zinc, boron, calcium, iron, magnesium, potassium, sodium, conductivity, soluble sulphate, sulphide, chloride, phosphate, nitrate, alkalinity, oxygen demand, suspended solids, ammoniacal nitrogen, total phenols, total cyanide, pH, total/dissolved organic carbon, PAHs (US EPA priority 16 compounds), and Total TPH.

5.12 The results of the groundwater chemical testing are presented as **Appendix 8**.

Geotechnical Investigation Strategy

5.13 In-situ soil strength testing comprising SPTs were undertaken with the dynamic sample boreholes. SPT 'N' values are included on the exploratory hole records presented as **Appendix 4** and are also summarised in **Table 6:1**.

5.14 Selected Class 3/4 large and small disturbed samples were collected from the investigation locations and sent to the geotechnical testing laboratory (I2 Analytical Ltd), which is UKAS accredited. The following geotechnical testing was undertaken:

- 42 samples tested for moisture contents;
- 27 samples tested for Atterberg (liquid and plastic) limits;
- 16 samples tested for particle size distribution (PSD) by sieve and pipette;
- 31 samples tested for BRE suites comprising total and soluble sulphates and pH;
- 22 samples tested for particle size distribution (PSD) by sedimentation;
- 21 samples tested for particle density (PD) values;
- 34 samples tested for 'compaction' properties (2.5kg/4.5kg); and
- 15 samples tested for recompacted CBR values.

5.15 The results of the geotechnical testing are included as **Appendix 9**.

Limitations and Uncertainty

5.16 The main intrusive works were undertaken in April and May 2025. A second phase of investigation works were undertaken in June 2025 in the Western Rail Chord area due to no access to this area at the time of the main investigation works.

5.17 The locations not completed as part of the works and their reasons are listed below:

- RO09, RO10, DS23-DS25, DS28, TP52-TP58, SA07 and SA08 – due to no access into this part (west of the Main Site) of the site at the time of the intrusive works; and
- TP66 – due to dense vegetation and concrete obstructions.

5.18 It is also noted that SA02A was moved 8m south of the original SA02 due to a land drain encountered in SA02 at 1m bgl; the location was not surveyed following the works.

5.19 TP47 was relocated as TP47A due to the marker being moved by landowner during farming activities.

5.20 TP67 was relocated as TP67B due to a suitable excavation location being identified.

5.21 Where locations had been cleared and surveyed prior to the intrusive works, the marked area of some locations could not be found. These locations were advanced based on google earth satellite imagery in the anticipated location and not surveyed following the works.

5.22 Water samples could not be obtained from most wells with the majority of shallow wells being dry / limited water which purged dry. A number of wells had also been destroyed on return visits, presumably by farming activities on going.

Drilling Limitations.

5.23 Equipment failure led to RO01 being terminated at 9.00m bgl in superficial soils.

6. GROUND CONDITIONS ENCOUNTERED

Stratigraphy and Ground Model

6.1 The ground conditions encountered during ground investigations confirmed the published geology discussed in the Phase 1 report generally comprising Topsoil (or limited, localised Made Ground) overlying Devensian Till, with strata of the Chester Formation beneath.

6.2 The recorded ground conditions are summarised in **Table 6:1** below and **Drawing 4** presents a geological cross section through the site. Uncorrected SPT results collected from the borehole locations are presented on the exploratory hole records presented in **Appendix 4**.

Table 6:1: Summary of Ground Conditions

Stratum	Top Depth (m)		Base Depth (m)		Thickness (m)		SPT N Value	
	Min	Max	Min	Max	Min	Max	Min	Max
Topsoil	0.00	0.00	0.10	1.00	0.10	1.00	NA	NA
Subsoil	0.30	0.40	0.50	0.65	0.20	0.25	NA	NA
Made Ground	0.00	1.90	0.20	1.60	0.10	1.50	NA	NA
Reworked Soil	0.30	0.30	1.60	1.60	1.30	1.30	NA	NA
Organic Clay	0.30	0.60	1.10	2.90	0.80	2.30	NA	NA
Glaciofluvial Ice Contact Deposits	1.60		>2.70		1.10		NA	NA
Lacustrine Deposits	0.35		0.65		0.25		NA	NA
Devensian Till	0.10	2.90	0.40	>9.00	0.15	8.00	6	26
Chester Formation	0.20	6.70	0.10	>30.00	0.10	29.60	15	88

Geological Descriptions

Topsoil

6.3 Topsoil was encountered consistently across the site with thicknesses of between 0.10m and 1.00m and averaging around 0.35m. The Topsoil typically comprised dark brown slightly gravelly clayey sand or sandy clay or slightly gravelly silt with rootlets, with the gravel containing sandstone, quartzite, chert, rare brick, slate, and clinker.

6.4 Topsoil was absent in seven exploratory holes (DS06, DS09, DS12, DS27, TP02, TP65, TP67B) where Made Ground was present from the surface. **Drawing 5** presents the variation in Topsoil thicknesses across the site.

6.5 The thicknesses of Topsoil over the site may vary from those encountered at the hole locations selected within the scope of this investigation, which may result in inaccurate estimations of topsoil quantities on the site.

Subsoil

6.6 Subsoil was encountered in three exploratory holes (SA04, SA06, TP50) at the site underlying the Topsoil with thicknesses ranging between 0.20m and 0.25m.

6.7 The Subsoil typically comprised orange/brown slightly gravelly clayey sand, with the gravel containing quartz and sandstone.

Made Ground

6.8 Made Ground was encountered/identified in eight exploratory holes at the site in place of the Topsoil (DS06, DS09, DS12, DS27, TP02, TP65, TP67B) with thicknesses ranging between 0.10m and 1.50m.

6.9 The Made Ground typically comprised natural Topsoil and Subsoil of brown/dark brown sandy gravelly clay or slightly clayey slightly gravelly sand, with clasts of sandstone and quartzite, and anthropogenic inclusions of, brick, ash, and occasional plastic.

6.10 Made Ground in TP65 comprised black gravelly sand with the gravel containing brick, concrete, and coal, becoming sandy gravelly clay with brick, concrete, plastic and wood fragments. Made Ground in TP67B comprised grey gravel of granite becoming sandy gravel containing concrete, coal, mudstone, and metal fragments. The base of the Made Ground at TP67B was not proven (>2.00m).

Reworked Soil

6.11 Reworked Soil (i.e. natural soil, inferred to have been disturbed by human activity) was encountered at one location in the northeast of the site (TP02) underlying the Made Ground with a thickness of 1.30m.

6.12 The Reworked Soil comprised either brown sandy clay or slightly gravelly slightly sandy silty clay with the gravel comprising sandstone, quartz, and shale.

Organic Clay

6.13 Organic Clay was encountered in two exploratory holes (TP04 and TP14) in the northeast of the site underlying the Topsoil with thicknesses ranging between 0.80m and 2.30m. These trial pits were positioned to target former pond locations and the material encountered is considered reflective of organic deposits in the former ponds. No Peat was encountered within exploratory holes positioned around Highfield Moss.

6.14 The Organic Clay typically comprised soft dark grey/black/brown slightly gravelly sandy silty clay with partially decomposed leaves and rootlets and gravel of quartz and sandstone.

Glaciofluvial Ice Contact Deposits

6.15 Soils inferred to represent the Glaciofluvial Ice Contact Deposits were encountered in the northeast of the site (TP02) beneath the Reworked Soil from a depth of 1.60m to a depth of at least 2.70m.

6.16 The soils comprised brown slightly gravelly very clayey sand with the sandstone gravel.

Lacustrine Deposits

6.17 Soils inferred to represent the Lacustrine Deposits were encountered in the northeast of the site (TP72) beneath the Topsoil at depths of between 0.35m and 0.60m. The soil comprised firm light brown and light grey clay.

Devensian Till

6.18 Soils inferred to represent the Devensian Till were encountered in the majority of exploratory holes beneath the Topsoil, Made Ground, Subsoil, Organic Clay, or Lacustrine Deposits from a depth of 0.10m to a maximum proven base depth of 6.70m. The base of Devensian Till was not proven in eight locations with a maximum unproven depth of 9.00m recorded in RO01.

6.19 Devensian Till soils were recorded across the majority of the main site, and intermittently across the Western Rail Chord directly beneath Topsoil or localised Made Ground. Across the main site, the Devensian Till was encountered most commonly around Highfield Moss and particularly in the northeastern part of the Main Site where the thickest deposits of Till were recorded.

6.20 The soil was generally found to comprise grey, red and brown slightly gravelly sandy clay or clayey sand or grey/brown sandy silt with the gravel comprising sandstone, and occasional coal, mudstone, limestone, quartz, and chert.

6.21 Till was absent in thirty-eight locations where bedrock was present instead (thirty-five locations), or the location terminated within Made Ground (two locations) or Glaciofluvial Ice Contact Deposits (one location).

Chester Formation

6.22 Strata inferred to represent the Chester Formation bedrock were encountered in one hundred and five exploratory holes beneath the Topsoil, Subsoil, Made Ground and Devensian Till from depths of between 0.20m and 2.90m, and were found to extend to depths of at least 30.00m (base not proven).

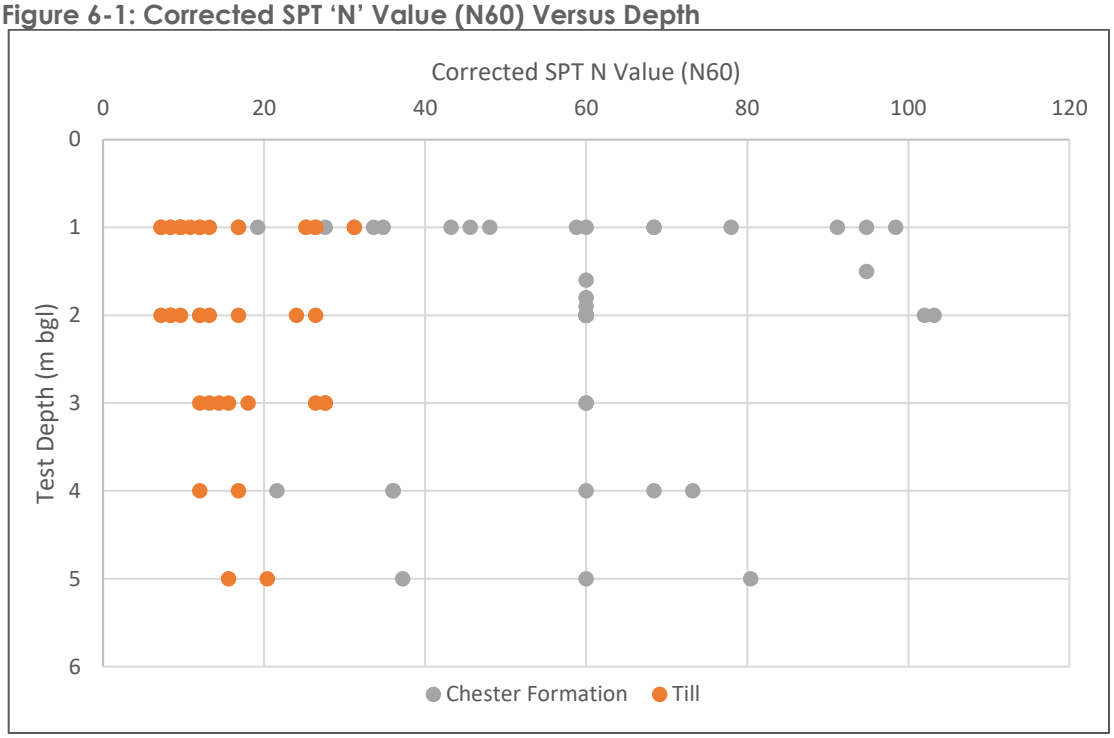
6.23 The Chester Formation was generally found to be weathered to a soil consistency when first encountered, becoming more competent (weakly cemented sandstone) at depth until too hard to dig or drill. The Chester Formation was typically recovered as yellow becoming red or orange gravelly sand or sandy gravel of sandstone and rarely quartz with occasional cobbles of sandstone, or brown sandstone, and occasionally clayey.

In Situ and Laboratory Geotechnical Test Results

In Situ Testing

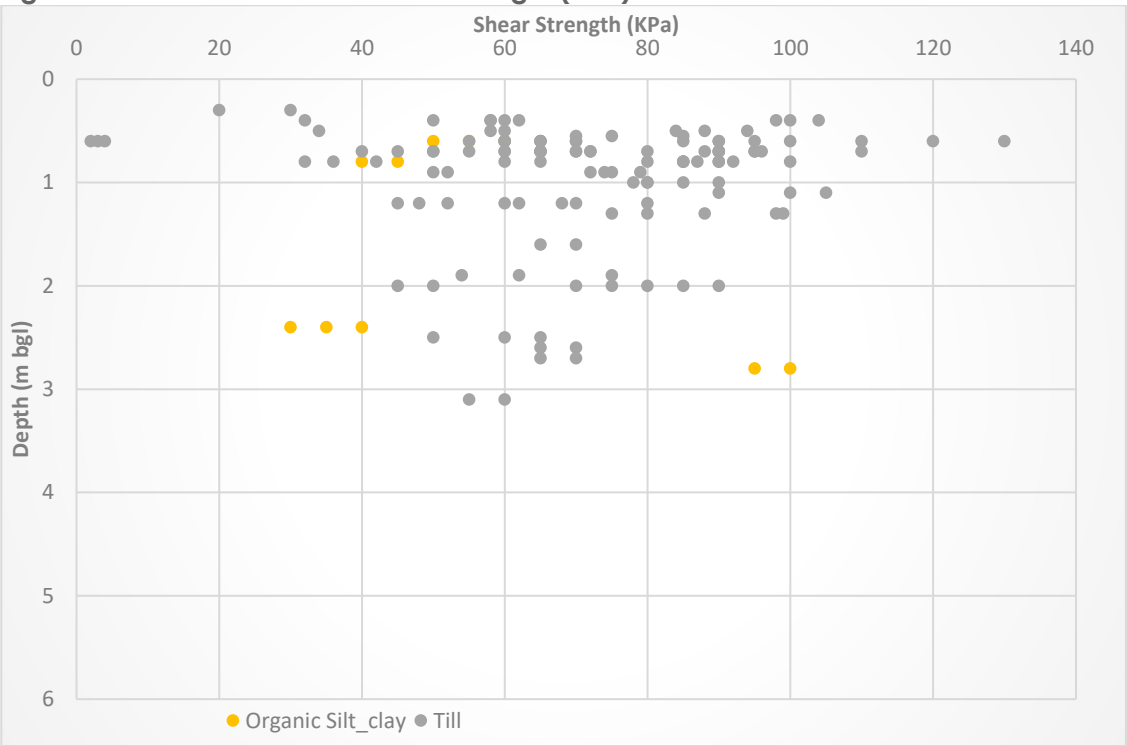
6.24 From in situ SPTs, corrected 'N_{60}' values have been derived, and a plot of N_{60} value vs. depth (in m bgl) is presented as **Figure 6-1Error! Reference source not found.** below. N_{60} Values within the Devensian Till were recorded ranging from 6 to 26 blows. N_{60} values with the Chester Formation were found to be between 7 and 86.

Figure 6-1: Corrected SPT 'N' Value (N60) Versus Depth



6.25 Where cohesive soils were encountered, undrained shear strength values were determined during hole formation using a hand shear vane (HSV). The tests comprised three tests with the average taken as the result and plotted graphically against depth m bgl, as **Figure 6-2**.The detailed HSV results are also included on the exploratory hole records presented in **Appendix 7**.

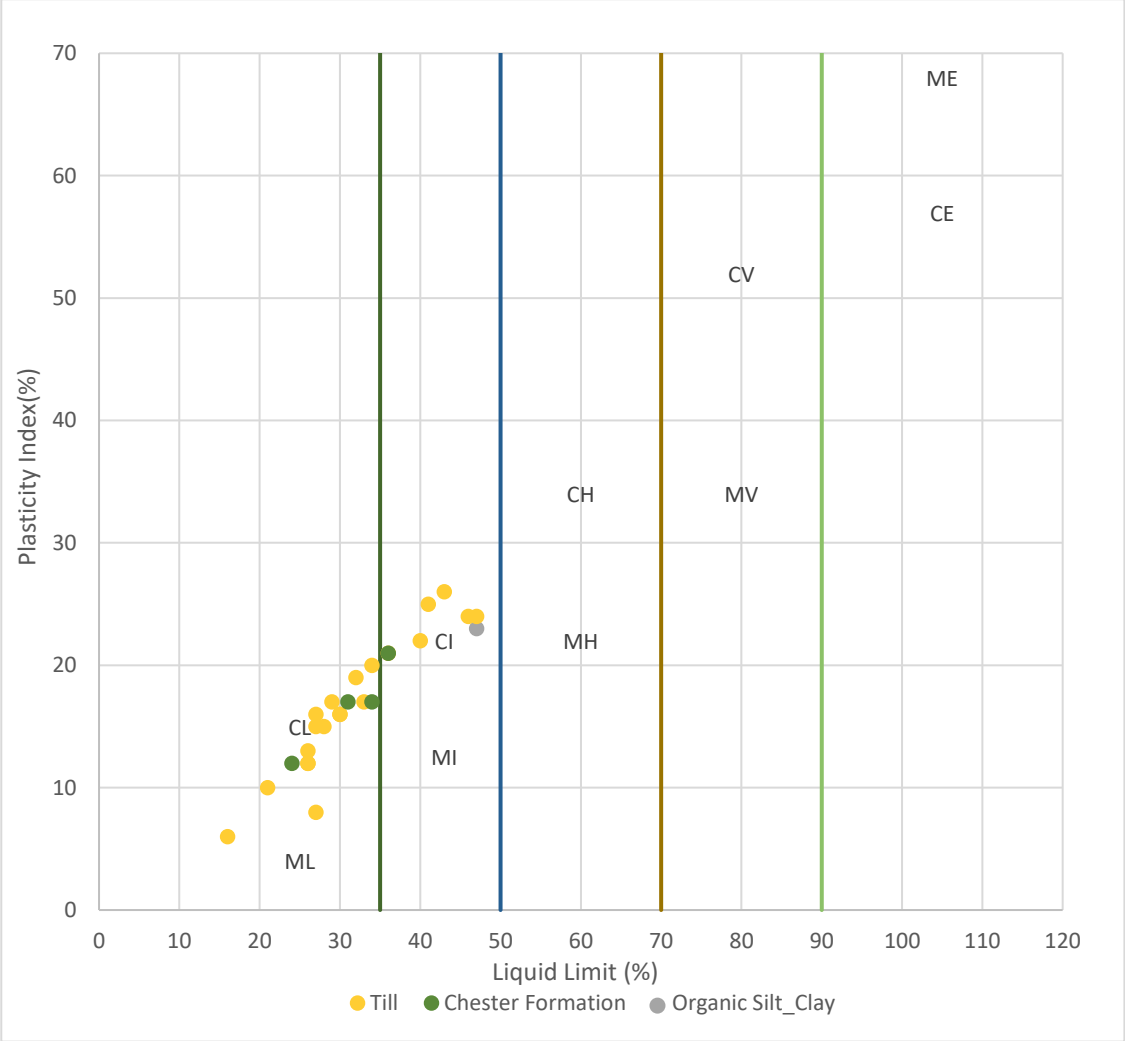
Figure 6-2: In Situ Undrained Shear Strength (HSV) Test Results



Geotechnical Laboratory Test Results

6.26 Where cohesive soils were encountered and sampled, geotechnical laboratory testing included the determination of Atterberg Limits and Plasticity Index (PI) values. A Plasticity Chart is presented as **Figure 6-3**. This indicates PI values for the Devensian Till to be in the range 21% to 43% (intermediate to high plasticity), excluding one sample indicated to be non-plastic. PI values for cohesive weathered horizons of the Chester Formation are in the range 21% to 34% (intermediate to high plasticity).

Figure 6-3 Plasticity Chart



6.27 The results of the in situ and geotechnical laboratory testing undertaken are summarised in **Table 6:2**.

Table 6:2: Summary of Laboratory and In Situ Geotechnical Test Results

Lithology / Parameter (Units)	Topsoil	Made Ground/ Reworked Soil	Organic Clay	Devensian Till	Lacustrine	Glaciofluvial Ice Deposits	Chester Formation
Moisture Content (%)	N/A	10.9-14.2 (average 12.5)	22.9-129.0 (average 61.6)	7.9-30.9 (average 16.4)	N/A	N/A	4.5-17.0 (average 9.5)
Plasticity Index (%)	N/A	17-21	23	6-43	N/A	N/A	21
Atterberg Classification	N/A	Low to medium plasticity clay	Medium plasticity clay	Low to medium plasticity clay	N/A	N/A	Low to Intermediate plasticity clay
PSD: Cobbles (%) Gravel (%) Sand (%) Silt/Clay (%)	N/A	0 15 20 65	0-0 (average 0) 1-2 (average 2) 33-38 (average 36) 61-65 (average 63)	0-0 (average 0) 0-6 (average 2) 7-77 (average 39) 22-93 (average 59)	N/A	0 2 77 21	0-0 (average 0) 0-43 (average 7) 45-94 (average 82) 5-27 (average 11)
Particle Density (Mg/m^3)	2.66	N/A	N/A	2.66-2.72 (average 2.69)	N/A	2.65	2.45-2.80 (average 2.7)
Organic Matter (%)	0.7-7.7 (average 3.8)	0.2-5.6 (average 3.0)	N/A	0.2-1.9 (average 0.7)	N/A	N/A	<0.1-1.0 (average 0.3)
Reworked CBR (%)	N/A	N/A	N/A	5.3-39 (average 20.8)	N/A	N/A	1.8-49 (average 21.6)
2.5kg Compaction: OMC (%) MDD (Mg/m^3)	N/A	14 1.88	21 1.59	10-17 (average 14) 1.69-1.96 (average 1.88)	N/A	N/A	16 1.69
4.5kg Compaction: OMC (%) MDD (Mg/m^3)	N/A	N/A	N/A	9.3-14.0 (average 10.8) 1.9-2.06 (average 1.90)	N/A	N/A	8.8-14 (average 13) 1.77-2.09 (average 1.87)
pH conditions (pH units)	6.9-7.6 (average 7.4)	6.5-8.2 (average 7.6)	7.3	5.5-8.2 (average 7.3)	N/A	6.6	7.2-8.4 (average 7.9)

Lithology / Parameter (Units)	Topsoil	Made Ground/ Reworked Soil	Organic Clay	Devensian Till	Lacustrine	Glaciofluvial Ice Deposits	Chester Formation
Total Sulphur (%)	0.017-0.033 (average 0.025)	0.009-0.171 (average 0.065)	0.032	0.005-0.013 (average 0.009)	*N/A*	0.008	0.008-0.011 (average 0.010)
Total Sulphate (%)	0.032-0.053 (average 0.04)	0.018-0.18 (average 0.08)	0.029	0.007-0.036 (average 0.02)	*N/A*	0.023	0.005-0.03 (average 0.02)
Soluble Sulphate (mg/l)	6.69-21.1 (average 14.6)	48-395 (average 171.7)	35.9	3.92-58.8 (average 28.6)	*N/A*	27.8	4.69-6.46 (average 5.3)

Hydrogeology

6.28 During the ground investigation, groundwater levels were recorded within the Devensian Till (Secondary Undifferentiated Aquifer) and Chester Formation (Principal Aquifer) as summarised in the **Table 6:3**. No rise or significant observations were recorded during hole formation.

Table 6:3: Groundwater Entries during Hole Formation

Hole (Location)	Depth (m bgl)	Stratum
DS02 (northeast)	2.50m	Devensian Till
DS05 (northeast)	2.50m	Devensian Till
DS06 (northeast)	2.40m	Devensian Till
DS08 (northeast)	3.00m	Devensian Till
DS09 (northeast)	3.10m	Devensian Till
RO02 (northeast)	29.00m	Chester Formation
RO04 (centre)	18.00m	Chester Formation
RO05 (south)	20.00m	Chester Formation
RO07 (northwest)	12.00m	Chester Formation
TP65 (Western Rail Chord)	2.80m	Chester Formation

6.29 During subsequent monitoring, groundwater levels were recorded within the Devensian Till (Secondary Undifferentiated Aquifer) and Chester Formation (Principal Aquifer) as summarised in the Error! Reference source not found.. No significant observations were recorded during monitoring. All other installed wells were recorded as dry during the monitoring period.

Table 6:4: Groundwater Levels During Monitoring

Hole	Lithology	Min Depth (m bgl)	Max Depth (m bgl)	Min Depth (m AOD)	Max Depth (m AOD)
DS01	Devensian Till	0.50*	2.69	33.98*	31.79
DS02	Devensian Till	0.30*	2.20	31.53*	29.63
DS06	Devensian Till	1.98**		34.23**	
DS07	Devensian Till	Dry	1.99	Dry	27.07
DS08	Devensian Till	0.90	1.85	28.66	27.71
DS35	Chester Formation	1.90**		31.37**	
RO01	Devensian Till	Dry	8.68	Dry	25.45
RO02	Chester Formation	16.30	16.35	15.92	15.87
RO03	Chester Formation	18.87**		14.44**	
RO04	Chester Formation	9.40**		23.20**	
RO05	Chester Formation	12.27**		19.75**	
RO06	Chester Formation	11.85**		19.98**	
RO07	Chester Formation	6.20	7.04	27.54	26.70

** Noted to have been damaged during the last monitored occasion and not representative of resting water level at this location.*
*** Based on one round of monitoring only due to being destroyed.*

6.30 DS10, DS29, and RO08 were not monitored during the monitoring period due to the monitoring wells having been destroyed by farming activities.

6.31 It is noted that several wells (D01 and DS02) have been damaged during the monitoring period. The headworks and bung had been damaged by Round 4 and the bung was replaced for Round 5 and 6.

6.32 Limited groundwater strikes were encountered during drilling/excavations in the shallow Superficial soils and weathered sandstone. These appear to be perched pockets of groundwater rather than being reflective of any significant shallow continuous body of groundwater. Subsequent monitoring has also identified limited groundwater within the wells installed within the Devensian Till, with the majority of wells recorded as dry during the monitoring period. This is consistent with the predominantly granular ground conditions without a confining cohesive soil layer, with movement of any surface water being vertical into the deeper Principal Aquifer of the Chester Formation.

6.33 The deeper rotary boreholes recorded groundwater strikes during drilling in the sandstone of the Chester Formation at depths of between 12m and 29m bgl. Resting goundwater levels were recorded at depths of between 6.2m bgl in the north of the Main Site, and 19m bgl in the southeast of the Main Site. The Principal Aquifer within the Chester Formation is unconfined.

6.34 The deeper groundwater monitoring data has been used to infer the likely groundwater hydraulic gradient across the site. The gradient is indicated to be orientated in a southeast direction with a gradient of approximately 0.56%. The inferred groundwater gradient at the site is presented as **Drawing 6**.

6.35 The drain alongside Highfield Moss was noted to remain largely dry during the monitoring period. The groundwater monitoring data collected indicates that there is no connectivity between the shallow groundwater beneath the main site and shallow groundwater within the adjacent Highfield Moss. This indicates that the peatland at Highfield Moss acts as a 'bog', which is precipitation recharged, rather than a 'fen', which is groundwater recharged. Surface-run off in the area adjacent the Highfield Moss is likely to be limited based on the topography of the site and granular soils.

Infiltration Testing

6.36 Permeability testing was undertaken within in six machine excavated trial pits. The results of the testing undertaken are presented as **Appendix 10** and are summarised within **Table 6:5** below.

Table 6:5: Permeability Testing Results

Test Location	Lith Unit	Calculation Methodology	Permeability (m/s)	Permeability Class	Drainage Characteristics
SA01	Devensian Till	Basic Time Lag Method	Test Failed	N/A	Poor
		General Method	Test Failed	N/A	Poor
SA02A	Chester Formation	Basic Time Lag Method	$5.0E^{-06}$	Moderate	Good
SA03	Chester Formation	Basic Time Lag Method	$1.6E^{-05}$	Moderate/ High	Good
SA04	Chester Formation	Basic Time Lag Method	$7.7E^{-06}$	Moderate	Good
SA05	Chester Formation	Basic Time Lag Method	$2.2E^{-06}$	Low/ Moderate	Good
SA06	Chester Formation	Basic Time Lag Method	$1.6E^{-06}$	Low/ Moderate	Good

Contamination Observations

6.37 No evidence of suspected ground contamination was noted during the ground investigation nor during the subsequent gas and groundwater level monitoring period.

7. GEOTECHNICAL APPRAISAL

Introduction

7.1 This section of the report provides a summary geotechnical appraisal of the site relative to the proposed development, based on the ground and groundwater conditions encountered (and summarised in previous report sections).

7.2 It should be noted, the following comments are provided for guidance only and in relation to the purpose of this document, which is a Phase 2 report, with the key focus on the geo-environmental conditions of the site and associated risk assessment but taking due account of geotechnical requirements and impact of the proposed development.

7.3 At a later stage in the development design process, more rigorous geotechnical assessment and design needs to be undertaken, culminating in a Geotechnical Design Report, as required under Eurocode 7.

Ground Model

7.4 Based on the ground conditions described in **Section 6**, a geotechnical ground model, indicating various geotechnical parameters, has been developed. This model provides the basis for the geotechnical appraisal described within this report. There are principally two main lithological units at shallow depths beneath the site, the Devensian Till and Chester Formation.

- Devensian Till – mostly less than 2m thick but significantly increases in thickness to >9m in the northeastern section of the site.
- Chester Formation – Shallow in the west of the Main Site, increasing in depth in the northeastern section, beneath the Till.

7.5 Other localised deposits of lithologies are present including organic clays, Glaciofluvial Ice Contact Deposits and Lacustrine Deposits. However, all are very localised, and generally present in the same areas as the Devensian Till. These are therefore considered with the Till as it can be difficult to differentiate between the lithologies.

Earthworks/Enabling works

7.6 In order to accommodate the proposed development, there will be a need for the following site preparation activities.

7.7 Following de-vegetation, all Topsoil and near surface organic soils will need to be stripped from the site; from the available data the thickness of these varies between 0.1 m and 2.3 m, with an indicated average of about 0.36m.

7.8 Thereafter, and with reference to the current site topography, there will be a need for "earthworks" (cut and fill) to be undertaken to create suitable platforms for construction of the development. The earthworks is anticipated to require the cut and fill (**Appendix 1**) of approximately 1.36M m^3 of soils across the site to create the required development

platforms, railbeds and roadways. Reuse of excess soils, including Topsoil is being reviewed under a separate site wide strategy.

7.9 The earthworks will need to be undertaken to a suitable Earthworks Specification. All Engineered Fill materials are to be classified according to Table 6/1 of the Manual of Contract Documents for Highway Works (MCHW).

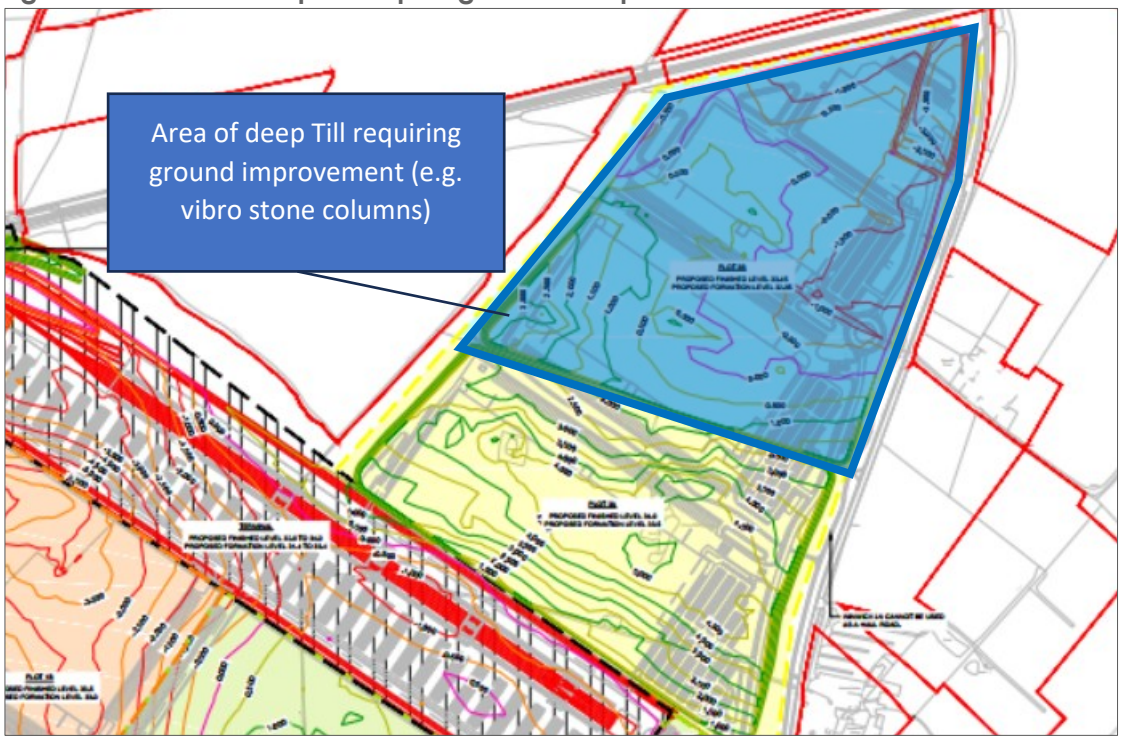
7.10 No contaminated soils have been encountered during the works; however, where Made Ground is present, this should be stripped and stockpiled separately as part of the Materials Management of the site and tested to determine suitability for reuse.

Foundations

7.11 The localised Made Ground is anticipated to be unsuitable for the support of shallow spread foundations owing to its variability/poor competence and the potential risk of excessive total and/or differential settlements.

7.12 Additionally, the Devensian Till as encountered across much of the site, was found to be of low strength and compressible, (as characterised by SPT N-values of less than 10). Therefore, in conjunction with the earthworks, it is anticipated that development of the site will require some form of ground improvement to increase the strength and stillness of these soils, particularly beneath proposed buildings. Such ground improvement could comprise over-excavation of soft/compressible soils and backfilling with Engineered Fill and/or in situ ground treatment via stone columns. This is particularly relevant in the Phase 3 area, see **Figure 7-1** where the low strength Till extends to greater depths (2-3m or more in parts) but is also valid in other parts of the site, where the Till is limited in thickness, but still of low strength.

Figure 7-1: Area of Deep Till requiring Ground Improvement

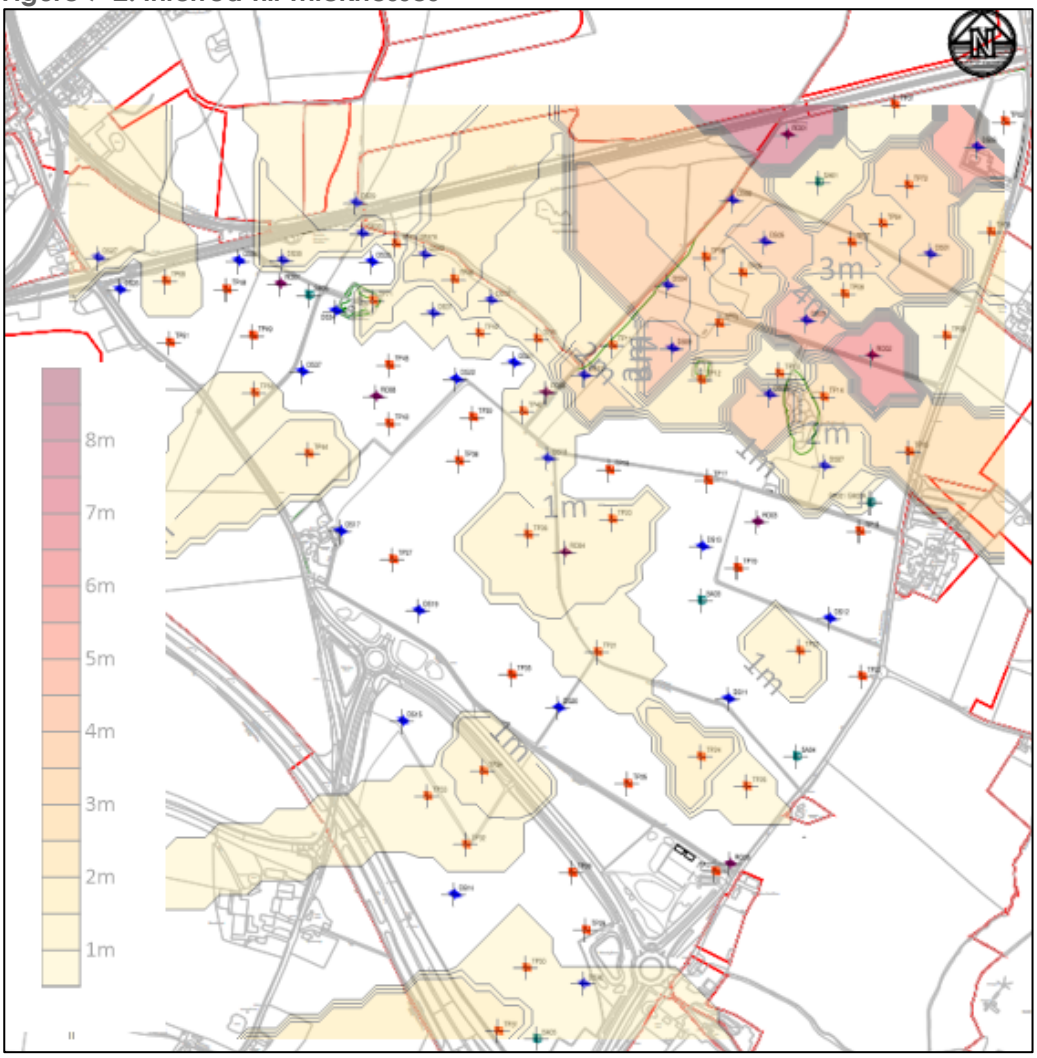


7.13 **Figure 7-2** below indicates inferred Till Thicknesses across the Main Site. In general, the foundation solution is likely to comprise:

- Plots 1a/1b, 2, and 4: Shallow pads are expected to be suitable across most of these areas with some areas of soft spot removal particularly within building footprints.
- Plot 3A: There are the two areas of ponds (former Marl Pits) plus historically there were many further ponds. There should be an allowance to over excavate by ~1 to 2.0m in these areas (circa 10% of the plot) to remove organics some localised geogrid, before a standard earthworks solution.
- Plot 3B: The ground investigation has identified deeper glacial deposits in this area while it also historically had numerous ponds. Some localised removal of soft spots (as above) should be allowed in this zone and vibro stone columns to accommodate a GBFS and pad foundations.

7.14 Following the earthworks and ground improvement, and with regard to the proposed development and anticipated loadings, shallow spread foundations and ground bearing floor slabs should then be suitable across the Main Site Foundations would be expected to be support on either the Chester Formation, Engineered Fill, or vibro-treated ground.

Figure 7-2: Inferred Till Thicknesses



Ground Floor Slabs

7.15 Following the earthworks and ground improvement, ground-bearing ground floor slabs are expected to be feasible, depending on the imposed pressures and acceptable settlement tolerances.

Roads and External Hardstanding - Pavements

7.16 The design of new roads and hardstanding area pavements will need to be based on appropriate design CBR values.

7.17 From the results of the ground investigation the following equilibrium CBR values are indicated for the near-surface soils which is likely to be exposed at formation levels following the earthworks and enabling works in many areas of the site. From the geotechnical testing, these soils are indicated to have Plasticity Index values in the range of 6-26%, but more typically 15-25%. According to Table C1 of TRRL LR 1132, as referenced in CD225 (Design for New Pavement Foundations), for Plasticity Index values with this typical range, an estimated CBR value of approximately 2.5-3.0% is indicated. If/where granular soils of the (weathered) Chester Formation are exposed at formation levels following earthworks, higher values (in excess of 5.0%) should be feasible.

7.18 It is recommended that further investigation, with testing at formation levels should be carried out to confirm the strength of sub-grade, design CBR values, and finalise the required pavement construction thicknesses.

Groundwater

7.19 A review of the proposed earthworks isopachytes and groundwater levels at the site indicates that the earthworks are not expected to encounter permanent groundwater.

7.20 Localised perched water may be encountered. Dewatering is likely to be necessary where excavations either encounter perched lenses of water or intersect the groundwater table.

7.21 The contractor and temporary works designer should undertake a review in advance of works to assess whether forming the base of excavations to a fall and pumping from sumps is likely to be sufficient to control perched water.

Drainage and Soakaway Viability

7.22 From the results of infiltration/permeability testing, the permeability is variable across the site with results indicating Low/Moderate and Moderate/High within the Weathered Chester Formation. Therefore, it is concluded that the Chester Formation strata have generally moderate permeability and are likely to be suitable for soakaway drainage. However, areas of the site are underlain by extensive thicknesses of Devensian Till, these have very poor infiltration characteristics and are unsuitable for soakaways.

Excavations

Ease of Excavation

7.23 Excavations into the underlying soils should be readily achievable using standard plant, noting that the potential for soft ground should be considered by the Contractor in selection of plant for tracking purposes. Depending on weather conditions and timing of works, tracked plant and other access interventions may be necessary.

7.24 While shallow bedrock is present across large parts of the site, it is highly weathered and expected to be excavated using heavy plant excavators where excavation for 1-2m is required into the Weathered Chester Formation.

Stability of Excavation

7.25 The majority of excavations during the intrusive works remained stable. Temporary shoring of the excavations is likely to be necessary to assist deeper excavations, and an assessment/design should be undertaken by the temporary works designer/contractor.

Legislation on Personnel Entry to Excavations

7.26 It is recommended that no excavations should be entered without appropriate support, and a full risk assessment should be completed prior to entry. Mitigation measures to protect from accumulating ground gases should be implemented.

7.27 Where personnel entry is required for inspection, excavations should be sufficiently enlarged, and an assessment of safe temporary angles should be made by the contractor/temporary works designer.

Chemical Attack on Buried Concrete

7.28 The classification of concrete in aggressive ground has been undertaken in accordance with BRE Special Digest 1: Concrete in Aggressive Ground (2005).

7.29 From the available information, the natural ground conditions at the site are indicated to classify as Design Sulphate (DS) and Aggressive Chemical Environment for Soils (AC) classes DS-1, AC-1, while the Made Ground classifies as DS-2 AC-2. Therefore, it is recommended that concrete to be cast in contact with the near-surface soils at the site should be designed for DS-2, AC-2 conditions.

8. GROUND GAS ASSESSMENT

Introduction

8.1 Ground gas assessment has been undertaken to assess the risks associated with ground gases and volatile vapours to new buildings and their occupants. The results obtained have been assessed in line with relevant guidance (notably CIRIA C665).

8.2 Based on the desk study and the ground investigation undertaken, the following potential sources of hazardous ground gas have been identified:

- Organic containing materials around former ponds;
- Limited Made Ground across the site; and
- Offsite former colliery with mine shaft understood to have undergone remedial works with acting venting and monitoring in place. Previous monitoring near this area indicates a low gas risk.

8.3 Based on the potential sources identified, CIRIA C665 guidance indicates that for a site with low gas generation potential and a low sensitivity development (the proposed commercial land use), a typical monitoring programme may comprise 6 visits over a period of 2 months.

8.4 BWB have undertaken all of the six planned visits over a period of four months.

Methodology

8.5 Exploratory hole records showing monitoring well constructions are presented in **Appendix 4**; boreholes were generally installed within a single geological unit. A summary of the installations is provided below in **Table 8:1**.

Table 8:1: Summary of Installations and Response Zones

Borehole ID(s)	Installed Geology	Response Zone (s)	
		min. from	max. to
DS01 to DS10, DS32, DS33, DS38	Devensian Till	0.5m	5.0m
DS11 to DS13, DS14, DS15 to DS20, DS22, DS26, DS29 to DS31, DS34 to DS37, DS39, DS40	Chester Formation	0.5m	2.0m
RO01	Devensian Till	1.0m	9.0m
RO02 to RO08	Chester Formation	10.0m	30.0m
DS27, DS41	Devensian Till and Chester Formation	0.9m	3.0m

8.6 The assessment of potential ground gas generation is based on the observation of trends and changes in gas evolution by the direct measurement of ground gases from gas wells. The works included measurement of methane, carbon dioxide, oxygen, hydrogen sulphide, carbon monoxide, gas flows and barometric pressure. A PID survey was

undertaken to measure volatile organic compounds within the borehole response zones.

Results

8.7 The minimum and maximum steady state concentrations recorded for borehole flow, oxygen, carbon dioxide and methane are summarised below in **Table 8:2** for the gas monitoring data collected. The full ground gas monitoring results are presented in **Appendix 6**.

Table 8:2: Summary of Recorded Ground Gas Results

Targeted Geology	Steady Flow (l/hr)		Carbon Dioxide (%v/v)		Methane (%v/v)	
	min.	max.	min.	max.	min.	max.
Devensian Till	<0.1	2.5 (DS09)	0.0	10.4 (DS09)	0.0	0.1 (DS04)
Chester Formation	<0.1	0.2 (DS13)	0.0	6.0 (DS11)	0.0	0.0
Devensian Till and Chester Formation	<0.1	0.4 (DS41)	0.0	3.1 (DS27)	0.0	0.0

Atmospheric Pressure and Flow

8.8 During the monitoring programme completed at the site the atmospheric pressure ranged between 1014mb (recorded on 21/05/2025) and 1044mb (recorded on 03/07/2025).

8.9 The atmospheric pressures were recorded as follows:

- Round 1 (21/05/2025) – 1014mB during the site visit falling from 1020mB over the preceding 12 hours;
- Round 1 (22/05/2025) – 1034mB during the site visit rising from 1014mB over the preceding 12 hours;
- Round 1 (28/05/2025) – 1015mB during the site visit rising from 1008mB over the preceding 12 hours;
- Round 2 (13/06/2025) – 1018mB during the site visit rising from 1012mB over the preceding 12 hours;
- Round 2 (16/06/2025) – 1026mB during the site visit rising from 1021mB over the preceding 12 hours;
- Round 3 (02/07/2025) – 1020mB during the site visit rising from 1016mB over the preceding 12 hours;
- Round 3 (03/07/2025) – 1044mB during the site visit rising from 1020mB over the preceding 12 hours;
- Round 4 (08/09/2025) – 1009mB during the site visit remaining steady from 1009mB over the preceding 12 hours;
- Round 5 (22/09/2025) – 1022mB during the site visit rising from 1015mB over the preceding 12 hours; and

- Round 6 (28/09/2025) – 1008mB during the site visit falling from 1012mB over the preceding 12 hours.

8.10 No monitoring visits were undertaken when atmospheric pressure was recorded below 1000mB, representing a low-pressure event and the worst-case scenario for the site. Therefore, the monitoring may not have captured the worst-case gassing scenario at the site as generally, ground gas emissions tend to increase when atmospheric pressure falls and particularly when the pressure drops below 1000mB.

8.11 During the monitoring period, steady flow rates predominately remained at <0.01l/hr for all boreholes, with the exception of DS13 and DS41 during Round 4, and DS09 during Round 6. Negative steady flow rates were also recorded in four locations during Round 5 only at DS03, DS08, DS09, and DS41.

Hazardous Ground Gas and Volatile Vapours

8.12 Steady carbon dioxide concentrations recorded ranged between 0.0% v/v (recorded in several boreholes on several occasions) and 10.4%v/v (recorded in DS09 during Round 6); elevated concentrations were also recorded in DS09 at 3.2%v/v in Round 1, 0.6%v/v in Round 2, and at or below 0.1%v/v on the remaining monitoring rounds. DS09 is located in the northeast of the Main Site adjacent the former Mains Pitts, where organic materials have been recorded within the shallow soils associated with former ponds.

8.13 Steady methane concentrations were recorded at 0.0%v/v in all boreholes, with the exception of DS04 recorded at 0.1%v/v on a single occasion in Round 1; note only one round of monitoring was completed in DS04, due to damage to the well.

8.14 Hydrogen sulphide concentrations were not recorded above the limit of detection of the equipment during the monitoring visits.

8.15 Carbon monoxide concentrations were not recorded above the limit of detection of the equipment during the monitoring visits with the exception of boreholes DS08 (57ppm) and DS09 (10ppm) in Round 1 only. Five subsequent rounds of monitoring at these boreholes were undertaken with concentrations of carbon monoxide recorded below the limit of detection. DS08 and DS09 are located in the northeast of the Main Site adjacent the former Mains Pitts.

8.16 PID concentrations were recorded between <0.1ppm (the limit of detection of the equipment) and a maximum of 8.0ppm in borehole DS11 in Round 1.

8.17 Ground gas monitoring results are presented in **Appendix 6**.

Suitability of the Data

8.18 A suitability assessment has been completed is relation to wells where groundwater was present, a summary of flooded wells is presented below in **Table 8:3**; this refers to data collected from all monitoring rounds completed at each location. The remaining twenty-nine wells that were monitored remained dry during the monitoring period.

Table 8:3: Groundwater Levels vs Installed Response Zones

Hole	Highest Water Level (m bgl)	Response Zone to and from (m)	Flooded?*
DS01	2.40	1.0 to 3.5	Partially flooded on 3 occasions. Flooded on 1 occasion (due to damage).
DS02	2.20	2.0 to 3.5	Flooded on 2 occasions (2nd due to damage).
DS06	1.98	1.0 to 3.0	Partially flooded on 1 occasion.
DS07	1.99	1.0 to 2.0	Not flooded on 6 occasions.
DS08	0.90	2.0 to 4.0	Flooded on 6 occasions.
DS35	1.90	1.0 to 2.0	Not flooded on 1 occasion.
RO01	6.65	1.0 to 9.0	Dry on 2 occasions. Not flooded on 4 occasions.
RO02	16.30	20 to 30	Flooded on 3 occasions.
RO03	18.87	22 to 30	Flooded on 1 occasion.
RO04	9.40	16 to 24	Flooded on 1 occasion.
RO05	12.27	14 to 24	Flooded on 1 occasion.
RO06	11.85	14 to 20	Flooded on 1 occasion.
RO07	6.20	10 to 17.5	Flooded on 6 occasions.

** Where full or significant proportion of response zone is available = not flooded; where >0.5m of response zone is available = partially flooded; where >0.3m of response zone is available = mostly flooded; where <0.3m of response zone is available = flooded.*

8.19 The response zones in boreholes DS02, DS08 and RO02 to RO07 have been significantly flooded on at least one occasion. Additionally, DS01 and DS02 have been damaged, and shallow water levels have been recorded in these locations during the last monitoring round. Such flooding is likely to prevent the migration of ground gas into these boreholes and to affect measured gas flow rates and therefore recorded ground gas monitoring data may not be considered wholly representative.

8.20 Given the flooding of these locations consistently and the shallow groundwater levels following damage, the gas monitoring data from these wells have not been used to inform the ground gas risk assessment.

Risk Assessment

8.21 A total of six rounds were completed across the four month monitoring period from the majority of wells on the site. However, several wells were only monitored once due to wells being destroyed, likely associated with farming activities on site. Of the six rounds completed, two of these are during falling pressure events and remained above 1000mB.

8.22 A total of thirty-four wells remained dry or partially flooded during the monitoring period. The data from these wells were used as part of the risk assessment. Of these wells, there is a sufficient spatial distribution across the main site. Wells in the northeast of the Main Site and along the Highfield Moss are installed within the Devensian Till; wells in the Main Site are predominately installed within the Chester Formation.

8.23 CIRIA Report 665 "Assessing Risks Posed by Hazardous Ground Gases to Buildings" presents current best practice on the assessment of ground gases for commercial and residential buildings (with the exception of low rise traditional housing). The report presents a risk based approach based on gas screening values which depend on both the concentration and emission rate of gas from the ground. Gas screening values are calculated as follows:

$$Gas\ screening\ value\ (l/hr) = \frac{gas\ concentration\ (\%)\ X\ measured\ borehole\ flow\ rate\ (l/h)}{100}$$

8.24 Gas screening values should be calculated on a borehole basis in the first instance. Consideration of worst case i.e. highest flow and highest concentrations should only be considered if the CSM warrants it.

8.25 For the purposes of the risk assessment, the site has been zoned based on the conceptual site model, ground model, and proposed developments at the site as the following:

- Western Rail Chord – west of former colliery and intermittent Devensian Till present. No proposed buildings in this area;
- West of Main Site – east of former colliery, previous reporting in this area states no potential gas sources with ground conditions similar to the Main Site area with topsoil overlying limited Devensian Till and Sandstone. No investigation undertaken by BWB in this area due to access restrictions. Units 05 and 06 proposed in this area;
- Main Site – no potential gas generating sources identified, localised limited Devensian Till present with wells installed within the Sandstone. Units 01 to 04, 07 to 12 proposed in this area;
- Former ponds around the Pitts in the northeast – former Main Pitts in this area with some organic rich soils, approximately 3 to 4.5m thickness of Devensian Till in this area with wells installed within these strata. Units 13 to 15 proposed in this area; and
- Remaining areas of the northeast of the Main Site – limited gas generating sources identified associated with organic deposits (Lacustrine Deposits), with approximately 3m of Devensian Till in this area and wells installed within these strata. Units 16 and 17 proposed in this area.

Western Rail Chord

8.26 Maximum gas screening values of 0.01 were recorded in this area giving a classification of CS1. Carbon dioxide was recorded at 5%v/v in DS40 on one occasion. Whilst this area is adjacent the former colliery, it is understood that active venting is in place although the full nature of this system is unknown. Groundworkers should follow appropriate health and safety producers when working in excavations. No buildings are proposed in this area of the site. Given the above, no increase to CS2 is considered necessary in this area of the site based on the proposed development.

West of Main Site

8.27 No monitoring has been undertaken by BWB in this area of the site, although ground conditions are likely to be similar to the Main Site based on previous investigation (of which the client has no reliance). Based on the monitoring completed by others and the anticipated ground conditions, it is anticipated that this area can be classified as CS1, pending confirmatory ground investigation and gas monitoring.

Main Site

8.28 Maximum gas screening values of 0.006 were recorded in this area giving a classification of CS1. Carbon dioxide concentrations remained below 5%v/v at all locations in this area. No gas protection measures are considered necessary in this area.

Former ponds around the Pitts in the northeast

8.29 Maximum gas screening values of 0.26 were recorded in this area giving a classification of CS2. Carbon dioxide was recorded above 5%v/v on one occasion at DS09, where the highest flow rate was also recorded during this round. DS09 is installed within the Devensian Till at 3.0 to 4.0m and recorded as dry during all monitoring occasions.

8.30 Three units are proposed in this area and gas protection measures are required based on the current monitoring data. The gas screening value is based on one elevated concentration out of six rounds of monitoring at DS09. Elevated concentrations of carbon monoxide were also recorded in Round 1 at DS09 and at the adjacent location DS08 (although this location was flooded). The carbon monoxide is likely a result of thermal and chemical reactions caused by the drilling processes which then naturally dissipates following the first monitoring round.

8.31 The data indicates that the generation of carbon dioxide is associated with organic materials in the shallow soils which are present where exploratory holes targeted former ponds. These materials are not geotechnically suitable and will need to be removed to avoid excessive total/differential settlement. On the basis that this occurs then the assessment can be reduced to CS1.

Remaining Areas of the Northeast of the Main Site

8.32 Maximum gas screening values of 0.005 were recorded in this area giving a classification of CS1. Carbon dioxide concentrations remained below 5%v/v at all locations in this area. No gas protection measures are considered necessary in this area.

Recommendations

The classification of CS2 has been provisionally given to the areas of soft organic material of former ponds in the northeast of the Main Site (elevated carbon dioxide concentrations). Source removal should negate the requirement for any gas protection measures at the site; however, should this not occur gas protection measures will be required. Further monitoring is recommended to confirm the gas regime in the western part of the Main Site; however, this has been provisionally classified as CS1 based on anticipated ground conditions.

9. Human Health Risk Assessment

Soils

9.1 Contamination data have been compared to generic site assessment criteria (GSAC) for a commercial end use based on an organic matter content of 1%. The soil chemical laboratory results are presented as **Appendix 7** with a table summarising the results presented as **Appendix 11**. The criteria includes reference to the LQM/CIEH S4ULs for Human Health Risk Assessment Copyright Land Quality Management Limited reproduced with permission; publication number S4UL3271 and the CL:AIRE C4SLs.

9.2 No exceedances of the applied GSACs have been identified from the soil samples collected. The site is predominately greenfield with limited areas of Made Ground. No additional sources were identified during the ground investigation.

9.3 Trace levels of PAHs and Perfluorooctanoic acid (PFOA) have been identified in the topsoil of numerous samples. The concentrations are considered reflective of background concentrations in a semi-urban environment.

9.4 Trace levels of the organochlorine insecticide Dieldrin, and the herbicide Pendimethalin have also both been identified at trace concentrations at the site in the Topsoil. Neither are present at concentrations that are considered to present a risk to either Human Health or Controlled Waters.

9.5 No organic contamination has been identified that presents a risk of tainting new or existing water supply pipes.

9.6 Based on the above findings it is considered that the recorded contaminant concentrations do not pose an unacceptable risk to Human Health receptors.

9.7 No asbestos has been identified in any of the samples submitted for analysis.

10. CONTROLLED WATERS RISK ASSESSMENT

10.1 Shallow groundwater encountered at shallow depths within the superficial deposits and weathered Chester Formation are likely to be perched pockets of groundwater than a single body of groundwater. The deeper groundwater body within the Chester Formation represents the Principal Aquifer and is unconfined.

10.2 The results of groundwater sampling are presented as **Appendix 8**.

10.3 The controlled waters assessment considers the potential impact of on-site contamination to pertinent controlled waters receptors identified at the site including:

- Secondary A and Secondary Undifferentiated Aquifers beneath the site within superficial deposits;
- Principal, Secondary A and Secondary B Aquifers in the surrounding area within the bedrock deposits;
- Source Protection Zone/Potable groundwater abstraction; and
- Several watercourses are located on site and nearest named watercourse Newton Brook within 100m of site.

10.4 Given the presence of the Principal Aquifer underlying the site, it is considered appropriate to adopt the UK Drinking Water Standards (DWS) as the relevant screening criteria. Where the DWS are not available, the World Health Organisation Standards (WHO) have been adopted.

Groundwater

10.5 A groundwater concentration screening sheet is presented as **Appendix 12**. A summary of the exceedances within groundwater is presented in **Table 10:1** below.

Table 10:1: Summary of Groundwater Exceedances

Contaminant	No of Samples	Range of Concentrations (µg/l)	Generic Screening level (µg/l)	No of Exceedances
pH	2	pH5.8 to pH7.2	pH6.5-pH9.5	2 (RO07, DS08)
Nickel	3	13 to 69	20	2 (RO07, DS08)
Iron	2	<4 to 22,000	200	1 (DS08)

10.6 Groundwater pH is slightly below neutral but within the range expected for naturally acidic groundwater in this lithological setting. It is considered representative of natural background conditions and is not considered to pose an unacceptable risk to the identified receptors, and its effect has been considered in the sulphate assessment.

10.7 Elevated concentrations of nickel were identified in all three samples with exceedances recorded at RO07 (northwest of the site) and DS08 (northeast of the site); exceedances were recorded within the same order of magnitude as the assessment criteria. A review of soil background concentrations indicates that nickel concentrations are slightly elevated in this region, with average soil concentrations on site within this expected

range. It is considered that nickel concentrations are representative of the background groundwater concentrations in this area and as such do not pose an unacceptable risk to human health or controlled waters receptors.

10.8 A single iron exceedance was recorded in the grab sample taken from DS08; the sample is likely to have been impacted with silt and iron concentrations predominantly comprise insoluble Fe^{3+}. The water sampled is from a perched water body within the Devensian Till. DS08 is located in an area of organic rich soils, and the development will lead to the removal of any potential ongoing source (if present).

10.9 Only three water samples have been collected at this time due to limited shallow groundwater in the Till, with boreholes being dry across the site, and many boreholes being damaged preventing sampling. However, no widespread contamination has been identified.

10.10 Based on the above findings it is considered that the recorded contaminant concentrations do not pose an unacceptable risk to human health or controlled waters receptors following the development. In the event that perched water is encountered during development works, it should be appropriately managed to ensure it does not reach surface water courses and appropriate testing, and discharge consents are in place (if required).

11. ENVIRONMENTAL RISK ASSESSMENT

11.1 An assessment of identified potential contaminant linkages has been made following completion of the ground investigation as presented below in **Table 11:1**.

Table 11:1: Revised Conceptual Site Model

Source	Pathway	Receptor	Con	Prob	Risk	Potential Mitigation/Investigation Requirements
On-site sources as detailed in **Table 8:1 of the BWB Phase 1 Report**	Dermal contact with, and incidental ingestion of soil and/or dust. Inhalation of dust and/or fibres.	Future site users (commercial)	Md	UI	L	No exceedances of the applied GSACs have been identified from the soil samples collected. The site is predominately greenfield with limited areas of Made Ground. As part of the proposed development, it is anticipated that hardstanding will be present across the majority of the site. This will limit the potential for direct contact with, and minimise dust generation from, potentially contaminated soils at the site post construction. No significant sources of contamination have been identified as part of the works. The site is considered to be greenfield, as such, in public open space/landscaped areas no clean capping layer is required. The soils at surface should be suitable for landscaping requirements subject to confirmation in landscape design.
		Intrusive maintenance workers	Md	UI	L	Whilst no asbestos has been identified in soil samples tested, this cannot be fully discounted. The exposure of intrusive maintenance workers can be mitigated by the adoption of suitable working methods, utilising appropriate personal protective equipment (PPE) and maintaining good hygiene. If significant asbestos is recorded, the requirements of the Control of Asbestos Regulations (CAR) 2012 should be complied with.
	Inhalation of vapours.	Future site users (commercial)	Md	UI	L	No evidence of volatiles was identified during the works, with low PID readings during subsequent monitoring. No mitigation measures are considered necessary for future site users from vapours.

Source	Pathway	Receptor	Con	Prob	Risk	Potential Mitigation/Investigation Requirements
	Migration and accumulation of ground gases in enclosed spaces leading to asphyxiation (carbon dioxide) or explosion (methane).	Future site users (commercial)	Sv	Ul	M/L	Limited organic rich materials were identified during the works. Limited Made Ground was encountered in several locations, predominately in close proximity to farms. No elevated concentrations of carbon dioxide or methane were identified during the monitoring period, with the exception of two occasions where carbon dioxide was recorded at 5%v/v in the Western Rail Chord Area and at 10.4%v/v in the northeast of the Main Site; flow rates remained generally below <0.1l/hr with a maximum flow rate of 2.5l/hr. Given the varied ground model and development areas, the site has been zoned with the majority of the site characterised as CS1, and part of the areas of former ponds in the northeast of the site (see **Drawing 3**) as CS2 where gas protection measures are recommended. No buildings are proposed in the Western Rail Chord Area and as such mitigation relates to construction workers in excavations only. Ground investigation and monitoring completed by others indicate that the land in the west of the site is CS1; however, this should be confirmed through ground investigation and monitoring. The possible presence of gases related to mine workings in the Western Rail Chord are considered unlikely to affect the proposed development in this area as no buildings are currently proposed. It is understood that active venting/monitoring is undertaken at the former mine shaft and previous monitoring in this area indicates a CS1.
	Leaching and permeation through soil profile.	Groundwater: Underlying Principal Aquifer and Source Protection Zones	Md	Ul	L	No significant source of contamination has been identified at the site. Slightly acidic pH and elevated nickel concentrations have been recorded in all the groundwater samples and considered likely to represent background concentrations. Localised elevated iron concentrations have been recorded in one sample within the perched water and is not considered to be migrating to the Principal Aquifer. The concentrations are unlikely to pose a significant risk to Controlled Waters.
	Vertical and lateral migration of contaminants.		Md	Ul	L	
	Surface run-off.	Cockshot Brook and unnamed inland river	Md	Ul	L	Although limited contamination has been identified, penetrative foundation solutions such as vibro could increase the permeability of the ground and create a preferential pathway for low level contamination from the surface. The installation methods and type should consider the preferential pathways and how these can be minimised.

Source	Pathway	Receptor	Con	Prob	Risk	Potential Mitigation/Investigation Requirements
	Direct contact.	Water utility pipes	Md	UI	L	No organic contamination has been identified that presents a risk of tainting new or existing water supply pipes.
		Electricity Cable	Md	UI	L	Cables placed in highly calorific soils could present a combustion risk. No highly calorific coal materials have been encountered.
		Buried structures/ foundations.	Md	UI	L	Sulphates and low pH in the ground could accelerate the degradation of buried concrete structures (e.g. foundations). Concrete to be cast in contact with the near-surface soils at the site should be designed against Design Sulphate (DS) and Aggressive Chemical Environment for Soils (AC) classes DS-1, AC-1, upgraded to DC2-AC2 if in Made Ground.
	Lateral migration of contaminated groundwater.	Groundwater: Underlying Principal Aquifer and Source Protection Zones	Md	UI	L	No widespread contamination has been identified associated with the potential source of contamination adjacent to the site. Perched water is considered to be localised on the site and no significant concentrations of contamination are identified in the deeper groundwater body based on the data collected to date. Partial cohesive ground conditions in some areas will minimise groundwater migration from off-site.
Off-site sources as detailed in **Table 8:1 of the BWB Phase 1 Report**	Inhalation of vapours.	Future site users (commercial)	Md	UI	L	No evidence of volatiles was identified during the works, with low PID readings during subsequent monitoring. No mitigation measures are considered necessary for future site users from vapours.
		Intrusive maintenance workers	Md	UI	L	
	Migration and accumulation of ground gases in enclosed spaces leading to asphyxiation (carbon dioxide) or explosion (methane).	Future site users (commercial)	Mr	UI	VL	No evidence of migration of off-site sources of ground gases has been identified.
	Lateral migration of contaminated groundwater.	Groundwater: Underlying Principal Aquifer and Source Protection Zones	Md	UI	L	No widespread contamination has been identified associated with the potential source of contamination adjacent to the site. Perched water is considered to be localised on the site and no significant concentrations of contaminants are identified in the deeper groundwater body based on the

Source	Pathway	Receptor	Con	Prob	Risk	Potential Mitigation/Investigation Requirements
						data collected to date. Partial cohesive ground conditions in some areas will minimise groundwater migration from off-site.

VH = Very High, H = High, M = Moderate, M/L = Moderate/Low, L = Low, VL = Very Low

KEY: Sv = Severe, Md = Medium, Mi = Mild, Mr = Minor, Hi = High, Li = Likely, Lw = Low Likelihood, Ul = Unlikely

Contaminant linkage Assessment Summary

When considered in the context of the conceptual site model and the historical activities that have taken place (farming activities), the proposed development is considered to pose a **MODERATE/LOW** risk to human health. It is considered that the main driver for the risk rating for human health is potential for hazardous ground gases to arise from localised organic rich natural deposits on-site. if these are removed, as anticipated, then this would reduce the risk to **LOW**.

The risk posed to controlled waters is predominantly considered to be **LOW** due to the lack of significant contamination identified at the site.

12. MATERIAL MANAGEMENT

Waste Classification

12.1 Soil samples have been characterised against hazardous waste criteria using Hazwasteonline. The results of the waste classification are presented in **Appendix 13**. The assessment indicates that the soils analysed are likely to be classified as non-hazardous. The waste classification assessment only applies to those soils that have been tested. If other soils are to be disposed of off-site then further analysis may be required.

12.2 No asbestos fibres have been identified at the site. The presence of visible asbestos containing materials in waste or at concentrations exceeding 0.1% by weight will classify the waste as mixed and require disposal as hazardous waste irrespective of the chemical properties of the waste.

12.3 Should any soils require disposal off site an assessment of waste classification of the soils for disposal should be made by a competent person. Further chemical analysis may be required to fully characterise waste soils for disposal to landfill or re-use off site. WAC analysis may be required for disposal of soils as inert or hazardous.

Material Management

12.4 The earthworks construction phase of the Proposed Development will comprise a phased enabling works package to prepare development platforms, comprising the stripping of topsoil and bulk earthworks using site won materials and provision of primary infrastructure. The earthworks could require the cut and fill of approximately 1.36Mm^3 of soils across the site to create development platforms, railbeds and roadways.

12.5 The earthworks model has been designed to balance the amount of cut taken and the amount of fill required. Earthworks modelling for the highways is currently being assessed in detail with the aim of establishing a cut fill balance, negating unnecessary import or export requirements.

12.6 Re-use of soils will be completed under an earthworks specification and Material Management Plan (MMP) in accordance with the CL:AIRE Definition of Waste Code of Practice (DoW:CoP) prior to the start of works.

12.7 Topsoil is proposed to have different uses including reuse on site within bunds and landscaped areas, reuse on new offsite planting areas within the wider site compensation / BNG areas, and replenishment of agricultural land within the wider area; these area areas of land to the north of the railway, and southeast of Winwick Lane. A Site Waste and Materials Management Plan (SWMMP) is being prepared by another consultant on the wider strategy for dealing with soils / materials / waste.

12.8 Should surplus topsoil be generated, it will be stockpiled, and additional receiver sites identified over the course of the works. The work should be verified to demonstrate that work has been completed to an acceptable standard. The Construction Code of Practice for Sustainable Use of Soils on Construction Sites (Defra, 2009) provides guidance on good practice in soil handling.

12.9 Should any soils require disposal off site an assessment of waste classification of the soils for disposal should be made by a competent person. Further chemical analysis may be required to fully characterise waste soils for disposal to landfill or re-use off site. WAC analysis may be required for disposal of soils as inert or hazardous.

13. CONCLUSION AND RECOMMENDATIONS

Conclusions

Ground Conditions

13.1 The ground conditions encountered during ground investigations confirmed the published geology, generally comprising Topsoil (or limited Made Ground or subsoil) typically overlying Devensian Till deposits, with Chester Formation bedrock beneath.

13.2 Devensian Till deposits were recorded across the majority of the Main Site, and intermittently across the Western Rail Chord directly beneath Topsoil or localised Made Ground, with the thickest deposits in the northeast and around Highfield Moss. Where Devensian Till was absent, the Chester Formation was encountered underlying the topsoil and generally weathered when first encountered and becoming more competent with depth.

13.3 Localised areas of reworked soils in the south and northeast of the site, organic rich soils in the northeast (infilled former pond areas), Glaciofluvial Ice Contact Deposits in the northeast, and Lacustrine Deposits in the northeast were also encountered.

13.4 Limited groundwater strikes were encountered during hole formation in the shallow soils and weathered sandstone. These appear to be perched pockets of groundwater rather than being reflective of any significant shallow continuous body of groundwater. Subsequent monitoring has also identified limited groundwater within the wells installed within the Devensian Till / weathered Chester Formation.

13.5 The deeper rotary boreholes encountered groundwater strikes in the sandstone of the Chester Formation at depths of between 12m and 29m bgl. Resting levels have been recorded at depths of between 6.2m bgl in the north east of the main site, and 19m bgl in the southeast of the main site. The Principal Aquifer within the Chester Formation is unconfined and the hydraulic gradient is indicated to be towards the east.

13.6 The groundwater monitoring data indicates that there is no connectivity between the shallow groundwater beneath the Main Site and shallow groundwater within the adjacent Highfield Moss. This implies that the peatland at Highfield Moss acts as a ‘bog’, which is precipitation recharged, rather than a ‘fen’, which is groundwater recharged.

13.7 From the results of infiltration/permeability testing, the permeability is variable across the site between Low/Moderate and Moderate/High within the Weathered Chester Formation and relatively impermeable in the Till. Therefore, it is concluded that soils have variable permeability. Areas of high/moderate permeability (i.e. where the Chester Formation strata will be close to finished formation levels) are likely to be suitable for soakaway drainage. However, areas of low permeability (i.e. where the Till is relatively thick) are unlikely to be suitable for soakaway drainage.

Environmental

13.8 No significant sources of contamination have been identified that present a Human Health risk. There is the possibility of encountering previously unforeseen sources of contamination and elevated gas concentrations in excavations during the groundworks which could impact construction workers without the correct PPE or procedures in place for unexpected contamination.

13.9 No significant risk to Controlled Waters has been identified during the Construction Phase. The use of the likely solution of vibro stone columns in the cohesive Till deposits would limit the potential for migration to the deeper groundwater body.

13.10 Slightly elevated carbon dioxide concentrations have been identified in the northeast of the Main Site associated with organics in shallow soft clays where ponds were formally located. Assuming that these materials are removed to facilitate the proposed development to avoid excessive settlement, then no gas protection measures are required.

Geotechnical

13.11 To accommodate the proposed development earthworks will be required, comprising the cut and fill of approximately 1.36M m^3 of soils across the Main and Western Rail Chord Site to create development platforms, railbeds and roadways. The design of the earthworks will need to consider the stability of existing slopes and retaining structures associated with the Chat Moss Line cutting and M6 embankments. In conjunction with the earthworks, some form of ground improvement (over-excavation and replacement with engineered fill and/or installation of vibro stone columns) will be required to increase strength and stiffness of the Devensian Till, particularly where such is relatively thick (the Phase 3 area).

13.12 Following the earthworks and ground improvement, shallow spread foundations and ground bearing floor slabs are expected to be suitable for the proposed development.

13.13 For pavement design and construction, near surface soils are indicated to have an estimated CBT value of 2.5-3.0%, likely higher where granular Chester Formation strata will be exposed at the formation surface.

13.14 Concrete to be cast in contact with the near-surface soils at the site should be designed against Design Sulphate (DS) and Aggressive Chemical Environment for Soils (AC) classes DS-2, AC-2.

Recommendations

Environmental

- Completion of ground investigations and ground gas monitoring for the land in the west of the Main Site with a review of the gas risk assessment following additional monitoring works.

- Confirmation of the status of permits, exemptions, etc. onsite and surrender prior to development onsite.
- Decommissioning of all wells prior to development.
- Soft organic soils associated with former ponds within Phase 3 should be excavated out and removed to be replaced with engineered fill as part of the earthworks. If these materials were left in situ, then gas protection commensurate with CS2 would be required.
- If deep ground improvement or foundation solutions are required, which may only be needed in the Phase 3 development area northeast of the Rail Terminal, then a Foundation Works Risk Assessment would be required to inform appropriate methodologies and monitoring during installation to prevent contamination migration.
- A Remediation Design Statement to be submitted and agreed via planning to be prepared to accompany the MMP and to inform remediation treatment and contingency measures should previously unforeseen contamination be encountered during the Proposed Development. CL:AIRE confirmation shall be received including a timestamp before excavations are commenced.
- Consideration of environmental permitting requirements for BESS and control measures required, such as bunds/secondary containment, blind sump drainage systems, automatically self-actuating valves, and adequate storage for firewater.
- Completion of a Construction Environmental Management Plan (CEMP), to include storage of lubricants/fuelling facilities positioned away from sensitive receptors, drainage control, etc. The CEMP outlines detailed methodologies to prevent adverse effects on or from ground conditions.
- Completion of a SWMMP to maximise reuse of topsoil and agricultural soils.
- Use of PPE and standard good hygiene to protect groundworkers.

Geotechnical

- The detailed foundation design, and the associated methodology remains subject to further detailed intrusive ground investigations, to be undertaken at the appropriate time (post consent) once detailed engineering designs are sufficiently developed. Further intrusive GI should be site-specific, targeting the footprints of major structures like foundations, bridges, and retaining walls. The GI should be designed by a competent geotechnical engineer.
- A cut and fill operation will be required to create the development platform, with an approximate subsoil cut and fill balance to retain as much material as possible. Re-use of soils should be completed in accordance with an earthworks specification as well as an MMP to be prepared prior to the start of works. Fill materials should be placed to an end-product specification to avoid differential settlement issues and additional reinforcement is likely to provide support where any structures span over cut and fill areas. Additionally, engineered slopes should be suitably designed to achieve global stability and ensure health and safety of any workers, and the public is ensured.
- Works near to existing rail and road structures should be subject to detailed geotechnical design and assessment approval in accordance with Highways England Design Manual for Roads and Bridges (DMRB) CD 622 in the case of the National Highways and to Network Rail Standards. Slopes will require detailed assessment and appropriate design, retaining and temporary shoring.

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DRAWINGS

Drawing 1: Site Features Plan



NOTES

1. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS MUCT BE CHECKED/ VERIFIED ON SITE. IF IN DOUBT ASK.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.

3.ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. ALL LEVELS IN METERES UNLESS NOTED OTHERWISE.

4. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

LEGEND

- Site boundary
- Disused mine shaft and mine gas remedial works
- Infilled Ponds
- Electricity Substation
- Area Features

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Client:

Tritax Symmetry SRFI North Ltd

Project Title:

Parkside East, St Helens

Drawing Title:

Site Features Plan

Scale:	Date:	Drawn:	Authorised:
Not to Scale	Jun-25	PM	XXX

Drawing Status:

Final

Drawing No:	Revision:
PSE-BWB-ZZ-XX-RP-YE-0001_Ph1Drwg	P03

Drawing 2: Exploratory Hole Location Plan

Notes

1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.

Legend

- Draft Order Limits
- TP** Denotes Location of Trial Pit
- SA** Denotes Location of Soakaway Test
- RO** Denotes Location of Deep Rotary Open Borehole
- DS** Denotes Location of Dynamic Sampling Borehole

Rev	Date	Details of issue / revision	Drw	Rev
P03	16.09.25	Locations Updated	RT	RR
P02	27.01.25	OS Map Data Boundary Added	RT	RR
P01	03.09.24	DRAFT	RT	RR

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Client

Tritax Symmetry SRFI North Ltd

Project Title

ILP North - GI Investigations / Preferred Locations

Drawing Title

Exploratory Hole Location Plan - Whole Site

Drawn:	R. Theobalds	Reviewed:	R. Robinson
BWB Ref:	233398	Date: 07.04.25	Scale@A3: 1:9

Drawing Status

FINAL

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
ILPN-BWB-ZZ-XX-DR-GI-0003	S1	P03

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Drawing 3: Ponds & Marl Pitts

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3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.

Legend

- Draft Order Limits
- TP** Denotes Location of Trial Pit
- SA** Denotes Location of Soakaway Test
- RO** Denotes Location of Deep Rotary Open Borehole
- DS** Denotes Location of Dynamic Sampling Borehole
- Possible Infilled Pond

P02	05.09.25	Locations Updated	RT	RR
P01	03.09.24	DRAFT	RT	RR
Rev	Date	Details of issue / revision	Drw	Rev

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Tritax Symmetry SRFI North Ltd

Project Title

ILP North - GI Investigations / Preferred Locations

Drawing Title

Exploratory Hole Location Plan (Former Ponds) - Eastern Segment

Drawn:	R. Theobalds		Reviewed:	R. Robinson	
BWB Ref:	233398	Date:	07.04.25	Scale@A3:	1:1750

Drawing Status

PRELIMINARY

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
ILPN-BWB-ZZ-XX-DR-GI-0002	S1	P02

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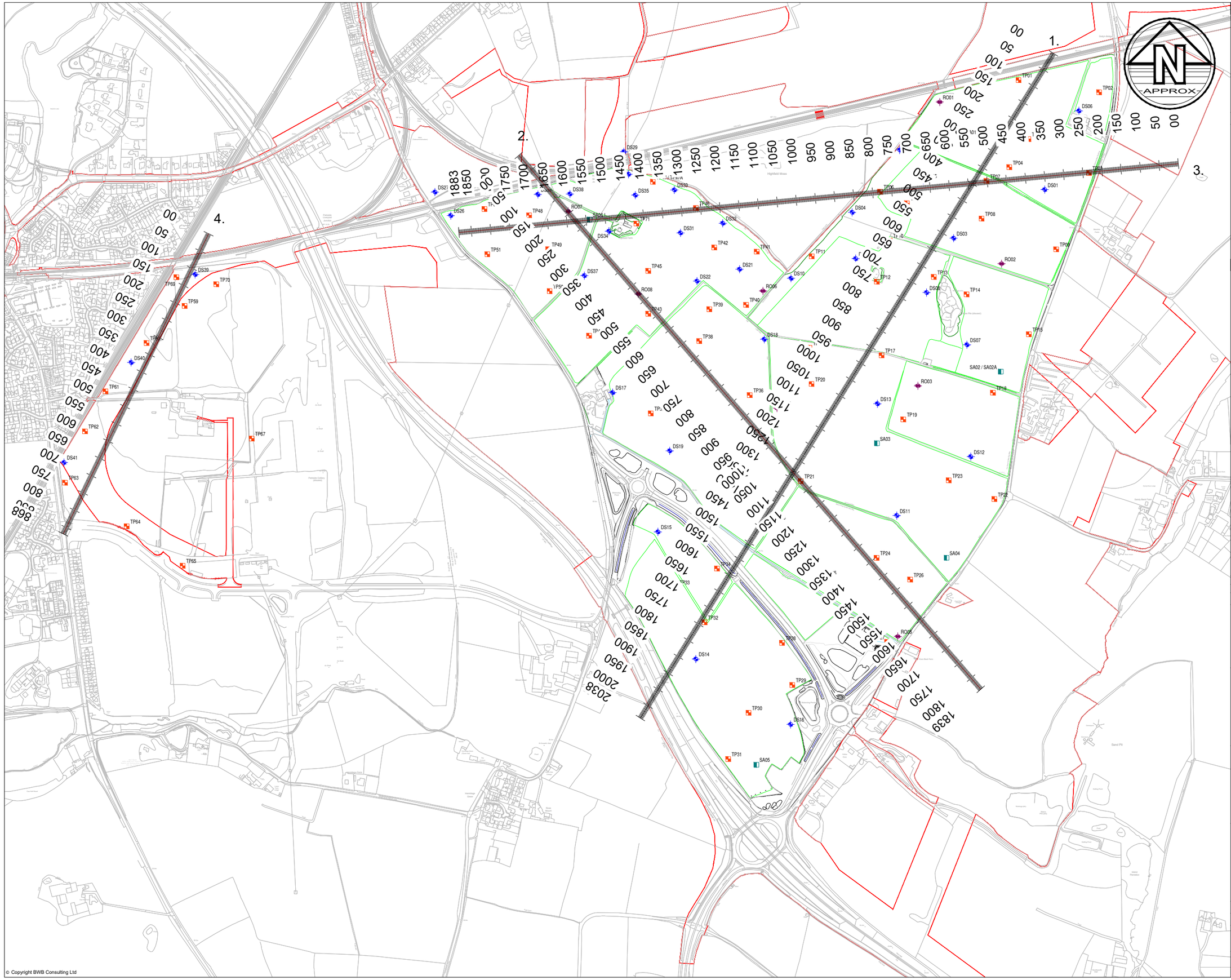
Drawing 4: Geological Cross Section



Notes

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3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.

Legend

- Draft Order Limits
- TP** Denotes Location of Trial Pit
- SA** Denotes Location of Soakaway Test
- RO** Denotes Location of Deep Rotary Open Borehole
- DS** Denotes Location of Dynamic Sampling Borehole

Rev	Date	Details of issue / revision	Drw	Rev
P01	03.09.25	DRAFT	RT	RR

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Tritax Symmetry SRFI North Ltd

Project Title

ILP North - GI Investigations / Preferred Locations

Drawing Title

Exploratory Hole Location Plan - Cross-Sections

Drawn:	R. Theobalds		Reviewed:	R. Robinson	
BWB Ref:	233398	Date:	03.09.25	Scale@A3:	1:9000

Drawing Status

PRELIMINARY

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
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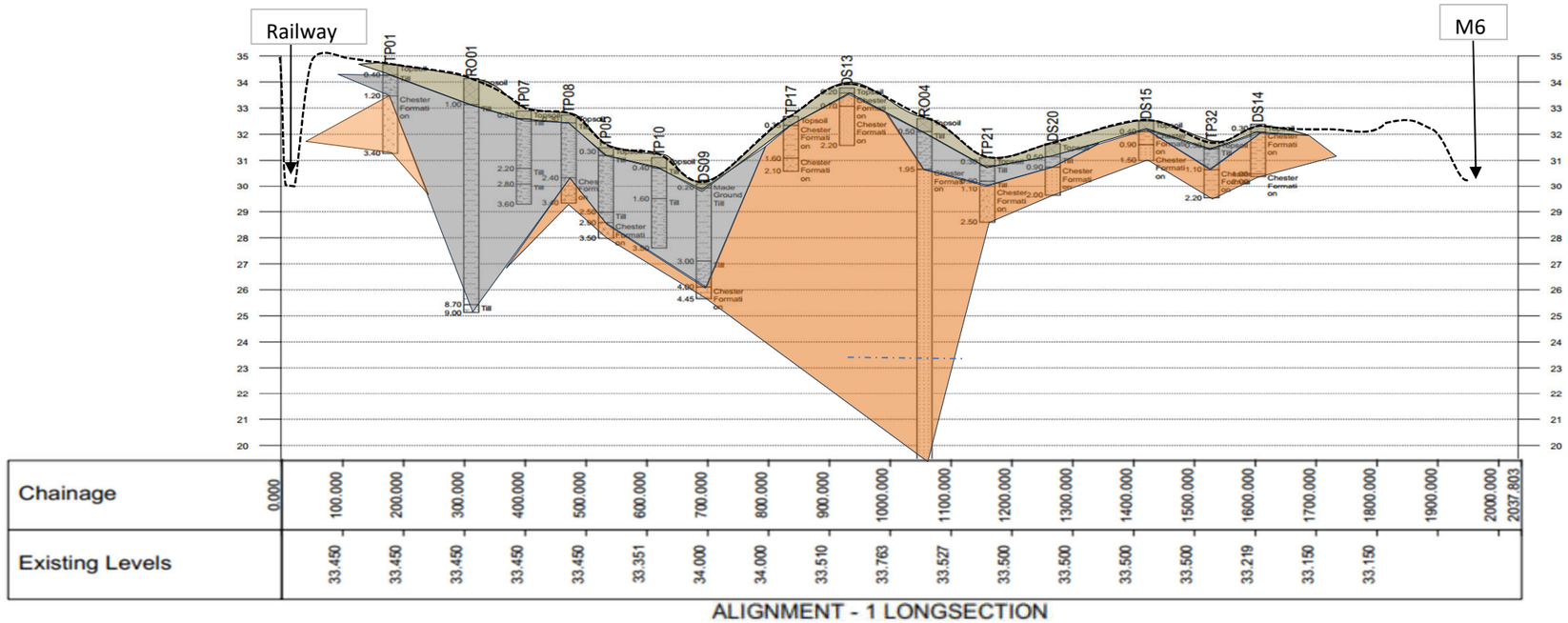
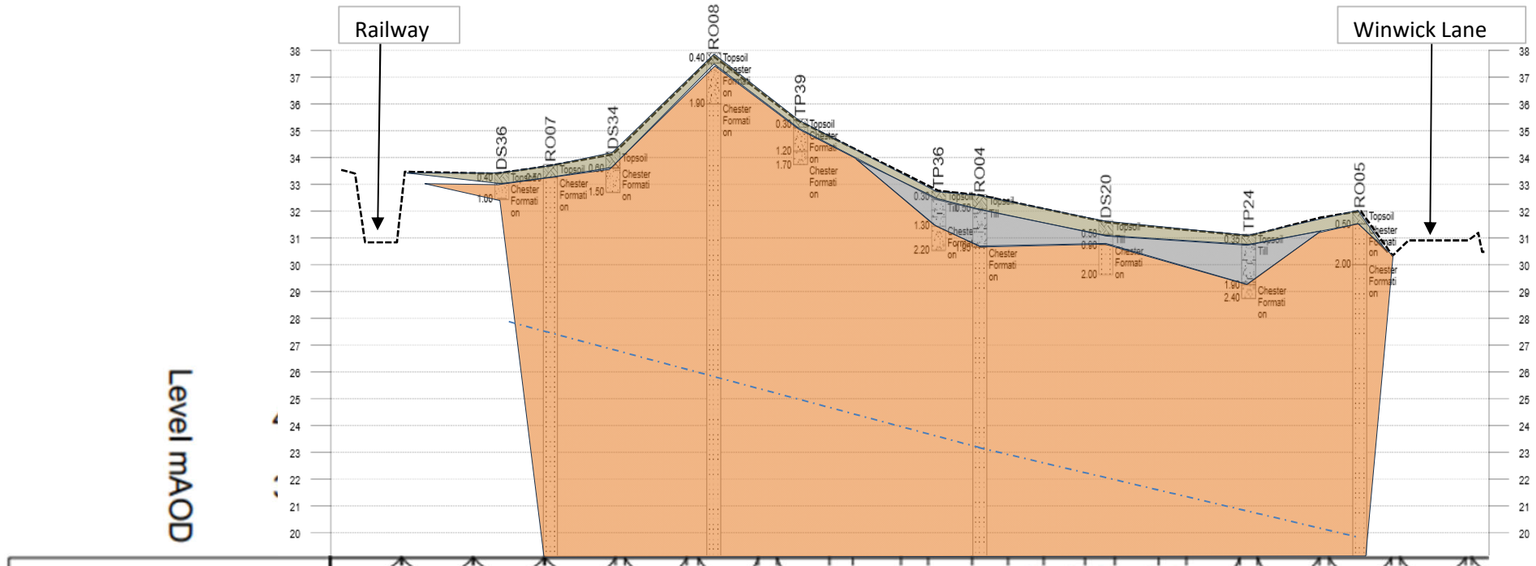


ALIGNMENT - 1 LONGSECTION



ALIGNMENT - 2 LONGSECTION

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4. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

LEGEND

- Topsoil
- Devensian Till
- Chester Formation
- Surface Level
- Inferred Groundwater Level

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Building, Infrastructure and Environmental Consultancy

5th Floor, Waterfront House, Station Street, Nottingham, NG2 3DQ

Client:
Intermodal Logistics Park North Ltd

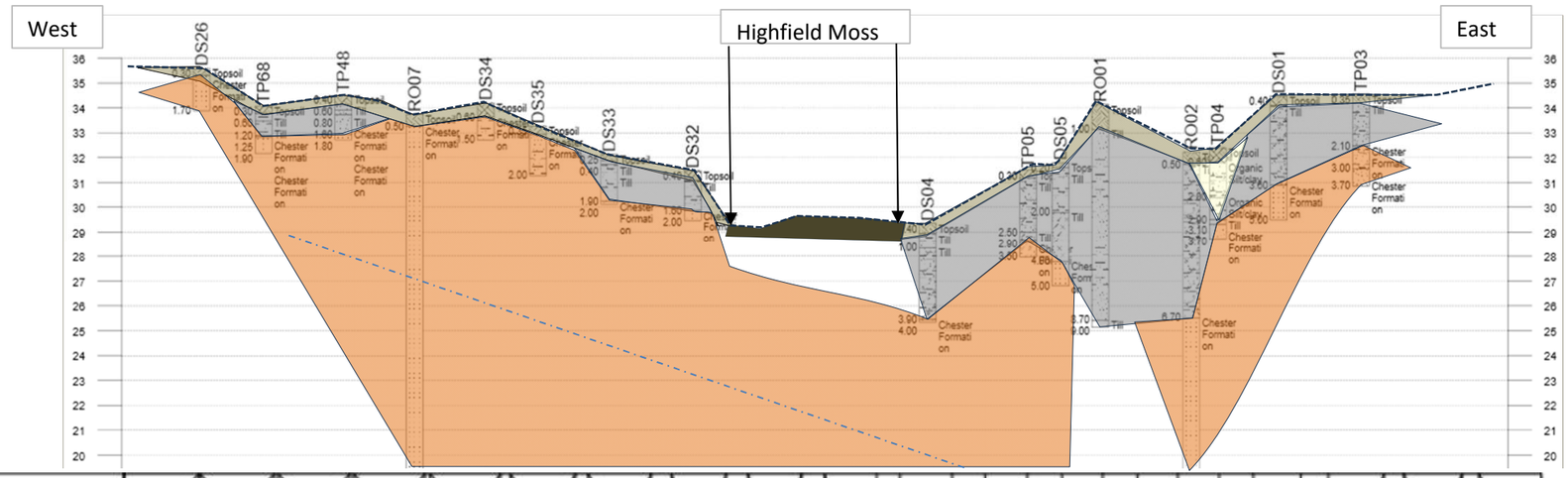
Project Title:
ILP North

Drawing Title:
Inferred Geological Cross Sections (1 & 2)

Scale:	Date:	Drawn:	Authorised:
Not to Scale	Oct-25	R. Robinson	K.Sinclair

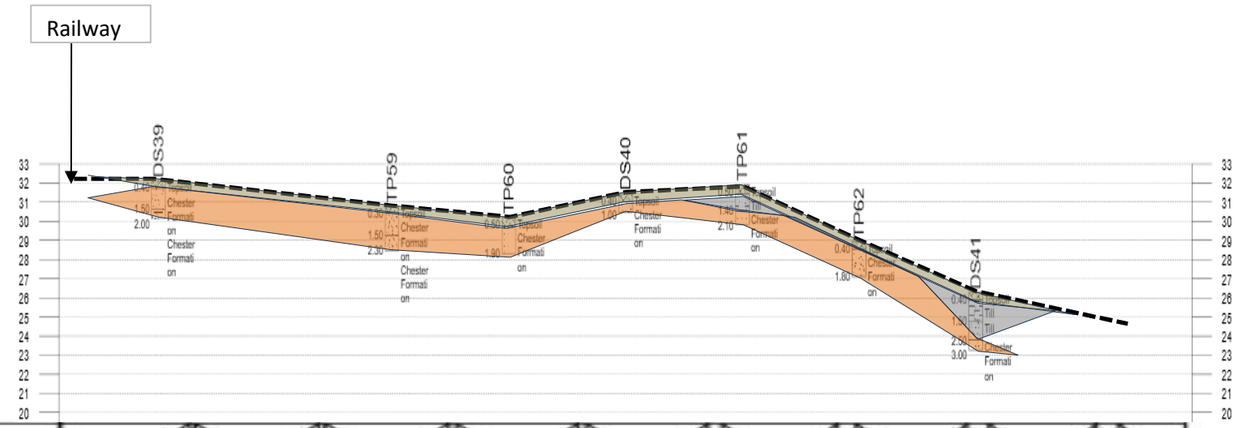
Drawing Status:
Final

Drawing No:	Revision:
233398-BWB-ZZ-XX-DR-GE-0003	P01



Chainage	100.000	100.463	200.000	204.769	300.000	305.284	400.000	406.631	500.000	513.193	600.000	616.222	700.000	727.070	800.000	829.073	900.000	930.663	1000.000	1030.680	1100.000	1143.835	1200.000	1245.911	1300.000	1346.326	1400.000	1454.982	1500.000	1563.551	1600.000	1674.034	1700.000	1778.048	1800.000	1882.728
Existing Levels	34.609	34.609	34.729	34.899	34.652	34.645	33.951	33.834	32.949	33.057	32.461	32.263	31.451	31.088	29.786	29.519	29.750	29.747	30.052	30.390	30.793	30.995	31.627	32.356	33.248	33.619	33.920	34.264	34.594	34.040	34.084	34.220	34.409	34.785	34.978	36.010

ALIGNMENT - 3 LONGSECTION



Chainage	100.000	104.360	200.000	204.535	300.000	305.658	400.000	405.840	500.000	510.865	600.000	614.327	700.000	716.813	800.000	816.969
Existing Levels	32.410	32.500	30.786	30.750	30.320	30.362	32.537	32.655	32.594	32.291	29.949	29.500	27.516	27.250	26.000	26.087

ALIGNMENT - 4 LONGSECTION

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LEGEND

- Topsoil
- Organic Silt/Clay
- Devensian Till
- Chester
- Surface Level
- Inferred Groundwater Level

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Client:
Intermodal Logistics Park North Ltd

Project Title:
ILP North

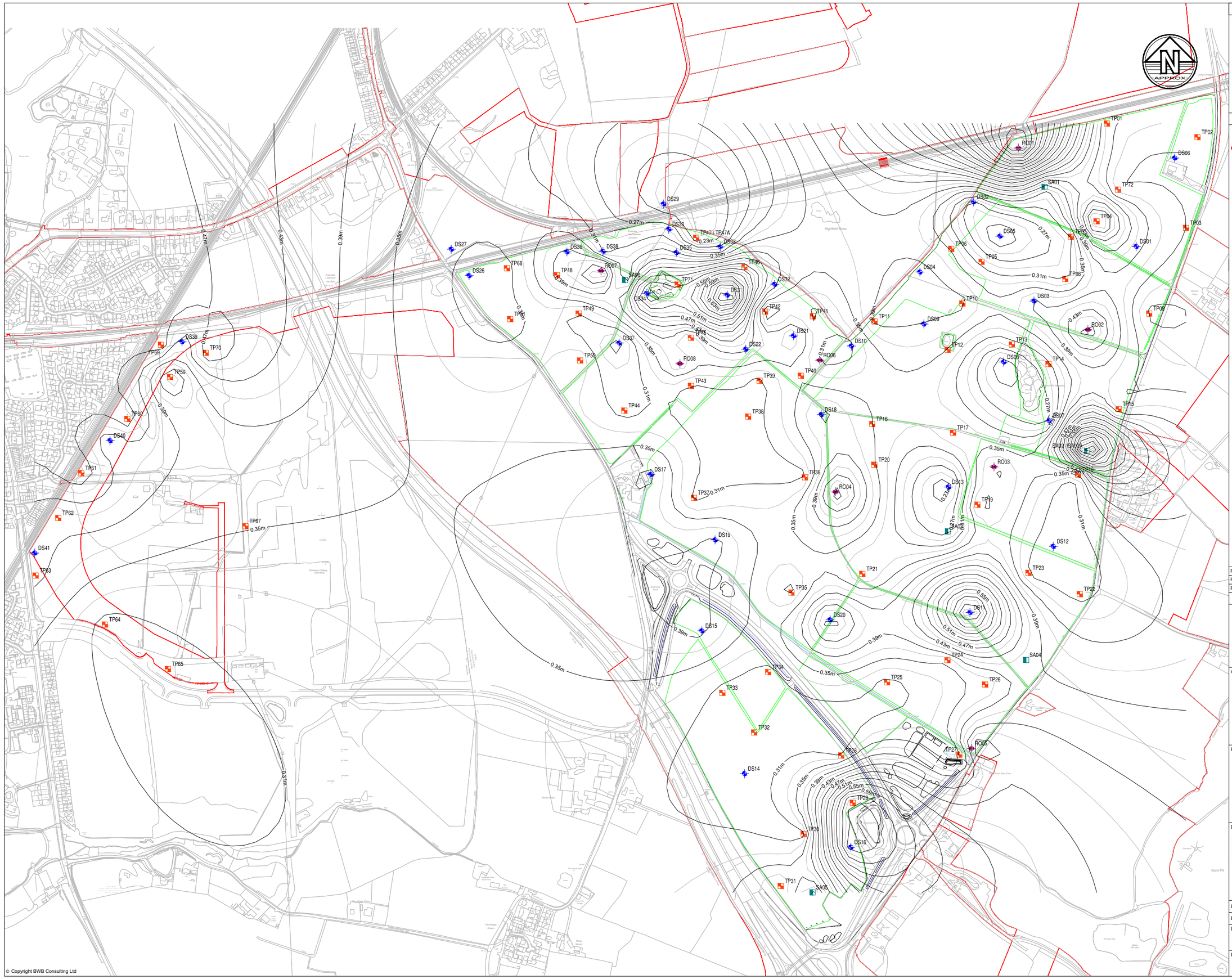
Drawing Title:
Inferred Geological Cross Sections (3 & 4)

Scale:	Date:	Drawn:	Authorised:
Not to Scale	Oct-25	R. Robinson	K.Sinclair

Drawing Status:
Final

Drawing No:	Revision:
233398-BWB-ZZ-XX-DR-GE-0004	P01

Drawing 5: Inferred Topsoil Thicknesses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RO02
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RO04
RO05
RO06
RO07
RO08
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SA02
SA03 / SA03A
SA04
SA05
SA06
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0.31m
0.35m
0.39m
0.43m
0.47m
0.51m
0.55m
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0.23m
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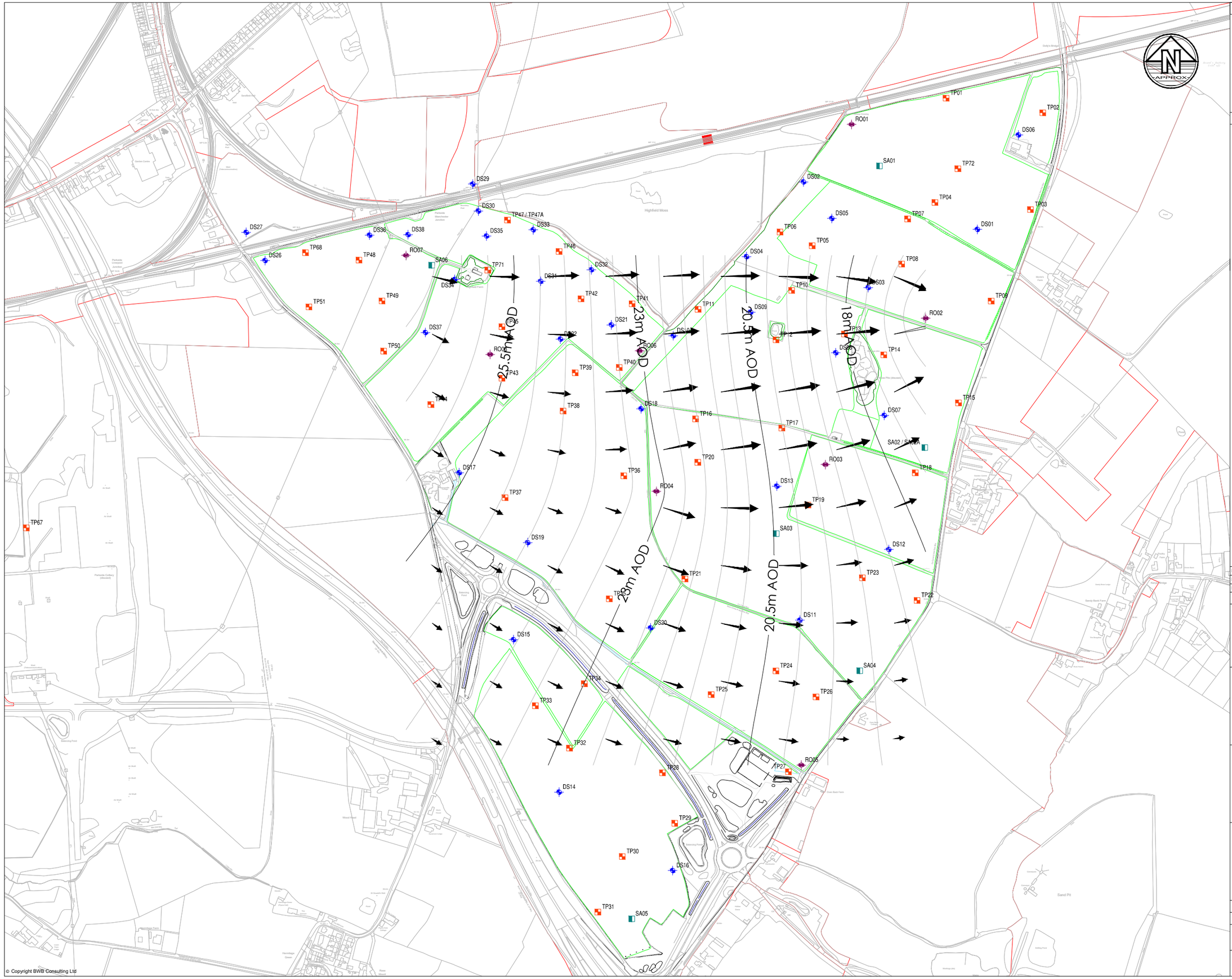
Drawing 6: Inferred Groundwater Flow Plot



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3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.

Legend

- Draft Order Limits
- TP** Denotes Location of Trial Pit
- SA** Denotes Location of Soakaway Test
- RO** Denotes Location of Deep Rotary Open Borehole
- DS** Denotes Location of Dynamic Sampling Borehole

Rev	Date	Details of issue / revision	Drw	Rev
P02	05.09.25	Locations Updated	RT	RR
P01	03.09.24	DRAFT	RT	RR

Issues & Revisions

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Client

Tritax Symmetry SRFI North Ltd

Project Title

ILP North - GI Investigations / Preferred Locations

Drawing Title

Inferred Hydraulic Gradient

Drawn:	R. Theobalds		Reviewed:	R. Robinson	
BWB Ref:	233398	Date:	07.04.25	Scale@A3:	1:7500

Drawing Status

PRELIMINARY

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
ILPN-BWB-ZZ-XX-DR-GI-0005	S1	P02

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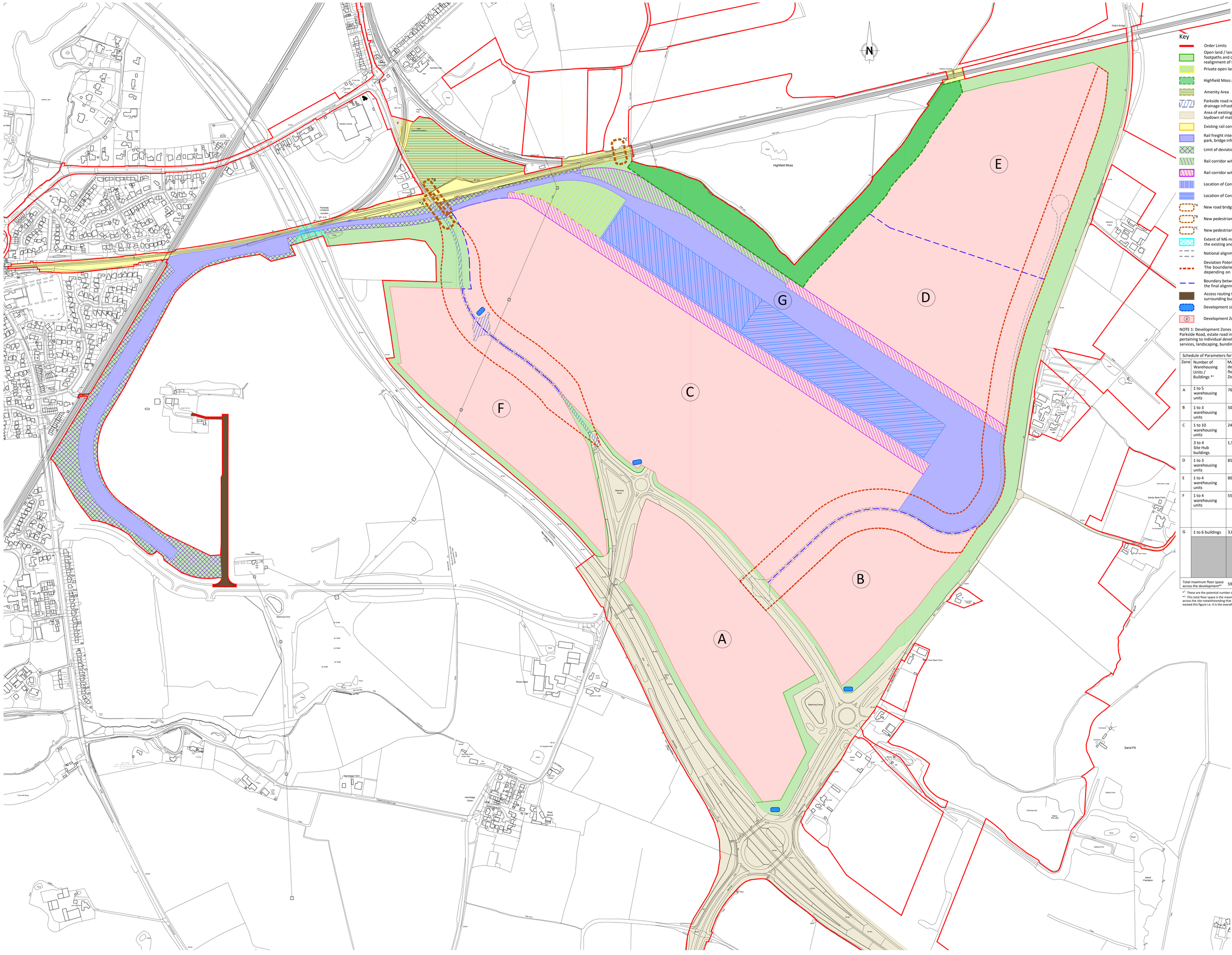
APPENDICES

Appendix 1: Masterplan



notes

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Key

- Order Limits
- Open land / landscaping, including bunding, fencing, attenuation ponds, public footpaths and cycleways, estate road infrastructure, drainage infrastructure, realignment of Parkside Road and bridgeworks.
- Private open land, non accessible to the public
- Highfield Moss protection zone including landscaping, earthworks and drainage infrastructure.
- Amenity Area
- Parkside road realignment, including associated footpaths, cycleways, landscaping and drainage infrastructure.
- Area of existing highways and land reserved adjacent to existing highways for construction / laydown of materials /compounds, highways, engineering and drainage works.
- Existing rail corridor
- Rail freight interchange including rail sidings, gantry cranes, container hardstanding, lorry park, bridge infrastructure and estate road access.
- Limit of deviation for Western rail chord and associated works
- Rail corridor within open land
- Rail corridor within development zones
- Location of Container Stack up to 7 high
- Location of Container Stack up to 5 high
- A New road bridge infrastructure over rail line
- B New pedestrian / cycleway infrastructure over rail line
- C New pedestrian footpath infrastructure over rail line
- Extent of M6 motorway (retained as existing) within Order Limits above the existing and proposed rail infrastructure
- Notional alignment of new estate roads
- Deviation Potential of Parkside Road and new estate roads. The boundaries of zones through which a limit of deviation runs will change depending on the final alignment of the infrastructure within the limit of deviation
- Boundary between development zones. The boundary will change depending on the final alignment of the infrastructure and the limits of deviation.
- Access routing to and from Newton Park Farm, Sycamore Cottage and surrounding buildings from Parkside Link Road.
- Development signage locations
- Development Zones

NOTE 1: Development Zones include the existing buildings to be demolished, the new alignment Parkside Road, estate road infrastructure, rail freight interchange link to estate road and elements pertaining to individual development plots including buildings, hardstandings, parking, energy services, landscaping, bunding, fencing and storm water attenuation.

Schedule of Parameters for Development Zones

Zone	Number of Warehousing Units / Buildings *1	Maximum development floor space per Zone (m²)	Other Defined Element Within Zone	Maximum building / element height measured to roof ridge / highest point in metres above Ordnance Datum	Equivalent building height relative to FFL
A	1 to 5 warehousing units	76,000 sq.m.		63.15m	Up to 30m
B	1 to 3 warehousing units	50,000 sq.m.	Energy Services	63.50m	Up to 30m
C	1 to 10 warehousing units	245,000 sq.m.	Energy Services	63.50m	Up to 30m
	3 to 4 Site Hub buildings	1,500 sq.m.		48.50m	Up to 15m
D	1 to 3 warehousing units	85,000 sq.m.		64.00m	Up to 30m
E	1 to 4 warehousing units	80,000 sq.m.		63.45m	Up to 30m
F	1 to 4 warehousing units	55,000 sq.m.		65.35m	Up to 30m
			Lorry Park	N/A	N/A
			Welfare	45.35m	Up to 10m
G	1 to 6 buildings	3,000 sq.m.		49.00m	Up to 15m
			Yard Container stacks 5 high Container stacks 7 high Gantry Cranes Lorry Park	48.50m 53.30m 59.00m 44.00m	Up to 14.5m Up to 20.3m Up to 25m Up to 10m
Total maximum floor space across the development*2		590,000 sq.m.			

*1 These are the potential number of main use buildings in each zone and excludes any ancillary buildings or structures.
*2 This total floor space is the maximum floor space (excluding mezzanine space) that will be developed across the site notwithstanding that the maximum floor space stated for each Zone combined would exceed this figure i.e. it is the overall floor space cap for each zone excluding mezzanine floor space.

no.	date	revision	by
E	06.10.25	Gantry crane height revised	nn
D	24.09.25	Plateau level for zone F updated	nn
C	17.09.25	Order Limits updated	nn
B	02.09.25	Order Limits updated	mjl
A	28.08.25	Key wording updated	mjl

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client

TRITAX BIG BOX

project

Intermodal Logistics Park North

drawing

Parameters Plan

scale 1:3000 @ A0 drawn mjl

checked mjl date 23.06.25

no

7275 - 073 Rev E

0m 10 20 50 100m 150 200m
Scale Bar

Appendix 2: Geotechnical Risk Register

Cut and Fill Quantities

	Area (m^2)	Finished Level	Cut (m^3)	Fill (m^3)	Net (m^3)		Cumulative (m^3)	
Rail West	28000		4000	36000	-32000	Deficit	-32000	Deficit
Rail and Terminal	258000	32.0 - 34.0	382000	30000	352000	Surplus	320000	Surplus
Phase 1A - Plot 1	390000	33.5	118000	443000	-325000	Deficit	-5000	Surplus
Phase 1B - Plot 1	210000	33.5	580000	0	580000	Surplus	575000	Surplus
Phase 1C - Plot 1	20000	33.5	38000	0	38000	Surplus	613000	Surplus
Phase 2	192000	33.15	83000	78000	5000	Surplus	618000	Surplus
Phase 3A	180000	34.0	0	614000	-614000	Deficit	4000	Surplus
Phase 3B	220000	33.45	96000	98000	-2000	Deficit	2000	Surplus
Phase 4	140000	35.35	66000	67000	-1000	Deficit	1000	Surplus
Total	1638000		1367000	1366000	1000	Surplus		

REFER TO INSET - A

REFER TO INSET - A

PYLON 1. TO BE RETAINED AT THE EXISTING GROUND LEVEL.
5.0m LATERAL CLEARANCE TO THE RAILWAY EARTHWORK.

FOOTWAY ROUTE RAISED TO ALIGN WITH THE ADJACENT FOOTBRIDGE LEVEL ABOVE THE EXISTING RAILWAY TRACKS.

PARKSIDE ROAD WILL USE AN OVERBRIDGE TO PASS OVER THE RECEPTION SIDINGS 1-2.

PYLON 2 WITHIN PLOT 1. TO BE RETAINED AT THE EXISTING GROUND LEVEL.
5.0m LATERAL CLEARANCE TO THE TOP OF THE EARTHWORKS TO TIE INTO THE PROPOSED GROUND LEVEL OF PLOT 1.

PLOT 1C
PROPOSED FINISHED LEVEL 33.5
PROPOSED FORMATION LEVEL 33.0

PLOT 3B
PROPOSED FINISHED LEVEL 33.45
PROPOSED FORMATION LEVEL 32.95

PLOT 3A
PROPOSED FINISHED LEVEL 34.0
PROPOSED FORMATION LEVEL 33.5

TERMINAL
PROPOSED FINISHED LEVEL 32.0 TO 34.0
PROPOSED FORMATION LEVEL 31.4 TO 33.4

WINWICK LN CANNOT BE USED AS A HAUL ROAD.

PROPOSED GROUND LEVEL TO BE RE-GRADED TO TIE INTO THE PROPOSED ROUNDABOUT LEVEL

PLOT 4
PROPOSED FINISHED LEVEL 35.35
PROPOSED FORMATION LEVEL 34.85

PLOT 1B
PROPOSED FINISHED LEVEL 33.5
PROPOSED FORMATION LEVEL 33.0

PLOT 1A
PROPOSED FINISHED LEVEL 33.5
PROPOSED FORMATION LEVEL 33.0

PYLON 3 WITHIN PLOT 4. TO BE RETAINED AT THE EXISTING GROUND LEVEL.
THE PROPOSED PLOT 4 IS DEVELOPED AROUND THE PYLON WITH MIN. 5.0m LATERAL CLEARANCE.

INSET - A

RECEPTION SIDINGS
TRACKS 3, 4 AND 5.

PROPOSED GROUND LEVEL TO BE RE-GRADED TO TIE INTO THE EXISTING ROUNDABOUT LEVEL

PLOT 2
PROPOSED FINISHED LEVEL 33.15
PROPOSED FORMATION LEVEL 32.65

Notes

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2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in metres unless noted otherwise.
4. All levels in metres unless noted otherwise.
5. Any discrepancies noted on site are to be reported to the engineer immediately.
6. Earthworks are developed based on the Development Plots received on 24/10/2024.

Legend

- RAILWAY WEST
- RAILWAY AND TERMINAL
- PHASE 1A
- PHASE 1B
- PHASE 1C
- PHASE 2
- PHASE 3A
- PHASE 3B
- PHASE 4
- Red Line Boundary Order Limit

Isopach Contours - Cut
- 0.500 Minor Contour (0.5m)
- 1.000 Major Contour (1.0m)

Isopach Contours - Fill
- 0.500 Minor Contour (0.5m)
- 1.000 Major Contour (1.0m)

Design Assumptions:

1. Cut and fill volumes are calculated as comparison between the existing ground level minus topsoil depth and the proposed finished level minus average construction depth.

	Depth (m)	Volume (m^3)
Topsoil (average depth)	0.350	580000
Average Construction Depth - Plots	0.500	
Average Construction Depth - Terminal	0.600	
Average Construction Depth - Rail	1.000	

2. Topsoil average depth is based on TIER GI report: TE1677-TE-00-XX-TN-GE-001-V01.
   2.1. No boreholes were provided for the area of plot 3A/B.
3. Average construction works depth to be refined as scheme develops.
   3.1. At this stage, arisings from the foundations, drainage and the like is not accounted for.
   3.2. The Terminal Formation is assumed to be 600mm below the finished level to allow for the construction of the concrete slab.
   3.3. The Railway Tracks Formation is assumed to be 1.00m below the track level to allow for the construction of the ballast.
4. Proposed earthworks arrangement around the existing pylons to be discussed and agreed with the relevant electricity company.
5. Access points onto the plots from the road infrastructure: proposed ground to be re-graded to provide localised smooth transition between the carriageway and plot levels.
6. Parkside road and related junctions are not included into the current earthworks calculation
7. The interface between terminal, plots and highways assumed to be lost within plot demise.
8. Earthworks and Phases:
   8.1. The surplus earthworks from Rail and Terminal is used for Phase 1A.
   8.2. The surplus from Phase 1B and Phase 1C is used for Phase 3A.
   8.3. Phases 2, 3B and 4 balance within their own boundary.

Rev	Date	Details of issue / revision	Drw	Rev
P03	24.09.25	Plot 4 level update	EP	AP
P02	28.02.25	Review of Phased 1 - additional Plot 1C	EP	AP
P01	21.02.25	First Issue - for Information	EP	AP

Issues & Revisions

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Client
INTERMODAL LOGISTICS PARK NORTH LTD

Project Title
INTERMODAL LOGISTICS PARK NORTH

Drawing Title
PROPOSED EARTHWORKS ISOPATCH CONTOURS

Drawn:	E.Painter		Reviewed:	A.Pagani	
BWB Ref.	233398	Date:	20.12.24	Scale@A0:	1:2500

Drawing Status
FOR COMMENT

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
ILPN-BWB-HGN-ZZ-DR-CH-0601	S3	P03

Appendix 3: Risk Classification Methodology

BWB RISK ASSESSMENT CLASSIFICATION (REFERENCE CIRIA C552, *CONTAMINATED LAND RISK ASSESSMENT: A GUIDE TO GOOD PRACTICE*, 2001)

CIRIA C552, *Contaminated Land Risk Assessment A Guide to Good Practice*, 2001 sets out a methodology for estimating risk. The methodology for risk evaluation is a qualitative method for interpreting the output for the risk estimation stage of the assessment. It involves the classification of the:

- Magnitude of the potential consequence (severity) of risk occurring; and
- Magnitude of the probability (likelihood) of the risk occurring.

The classification of consequence and probability are replicated in **Table 1** and **Table 2**, respectively.

Table 1: Classification of Consequence

Classification	Definition	Examples
Severe (Sv)	Short term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short term risk of pollution of sensitive water resource. Catastrophic damage to buildings/ property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
Medium (Md)	Chronic damage to Human Health ("significant harm"). Pollution of sensitive water resources. A significant change in a particular ecosystem, or organism forming part of such ecosystem.	Concentrations of a contaminant from site exceeding the generic or site-specific assessment criteria. Leaching of contaminants from a site to a major or minor aquifer. Death of species within a designated nature reserve.
Mild (Mi)	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater. Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor (Mr)	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by measures such as protective clothing etc.). Easily repairable effects of damage to buildings, structures and services.	The presence of contaminants at such concentration that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discolouration of concrete.

The classification of consequence does not take into account the probability of the consequence being realised. Therefore, there may be more than one consequence for a particular pollutant linkage. Both a severe and medium classification can result in death.

Severe relates to short term (acute) risk while medium relates to long term (chronic) risk. Mild relates to significant harm but to less sensitive receptors. Minor classification relates to harm which is not significant but could have a financial cost.

Table 2: Classification of Probability

Classification	Definition
High likelihood (Hi)	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable in the long term, or there is evidence at the receptor of harm or pollution.
Likely (Li)	There is a pollutant linkage and all the 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 (Lw)	There is a 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 (Ul)	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

The classification gives a guide as to the severity and consequence of identified risk when compared with other risk presented on the site. It should be noted that if a risk is identified it cannot be classified as "no risk" but as "very low risk". Differing stakeholders may have a different view on the acceptability of a risk.

Once the consequence and probability have been classified these can be compared using a matrix to identify an overall risk category, as shown in **Table 3**. These categories and the actions required are categorised in **Table 4**.

Table 3: Risk Evaluation Matrix

	Consequence	Severe (Sv)	Medium (Md)	Mild (Mi)	Minor (Mr)
Probability	**High likelihood (Hi)**	Very High Risk (VH)	High Risk (H)	Moderate Risk (M)	Mod/Low Risk (M/L)
	Likely (Li)	High Risk (H)	Moderate Risk (M)	Mod/Low Risk (M/L)	Low Risk (L)
	Low likelihood (Lw)	Moderate Risk (M)	Mod/Low Risk (M/L)	Low Risk (L)	Very Low Risk (VL)
	Unlikely (Ul)	Mod/Low Risk (M/L)	Low Risk (L)	Very Low Risk (VL)	Very Low Risk (VL)

Table 4: Risk Categorisations

Very High Risk (VH)	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High Risk (H)	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.
Moderate Risk (M)	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.
Low Risk (L)	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low Risk (VL)	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

Reference:

CIRIA C552 *Contaminated land risk assessment. A guide to good practice*. Rudland, D J, Lancefield, R M, Mayell, P N, 2001.

Appendix 4: Exploratory Hole Records

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS01	**Project Name:** ILP-North			**Ground Level (m AOD):**	34.48
	Project Number: 233398			**Eastings:**	362046.81
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395546.01
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	25/04/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Brown clayey SAND with low rootlet content. Sand is fine to coarse.			ES1	0.20					
		34.08 [3.20]	(Topsoil)		0.40	ES2	0.50					
			Soft to stiff light grey mottled brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. (Till)						SPT	1.00	N=8 (1,2/2,2,2,2)	
						D1	1.50					
									SPT	2.00	N=11 (1,2/2,3,3,3)	
									SPT	3.00	N=23 (3,4/6,4,5,8)	
		30.88 [1.40]	Weathered SANDSTONE recovered as yellow becoming red slightly silty sand. (Chester Formation)		3.60							
									SPT	4.00	N=30 (8,5/9,9,6,6)	
		29.48	Hole Terminated at 5.00m bgl.		5.00				SPT	5.00	N=31 (6,8/6,8,8,9)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS02	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.83
	Project Number: 233398			**Eastings:**	361668.97
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395649.04
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 25/04/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.25]	Dark brown clayey SAND with low rootlet content. Sand is fine to coarse. (Topsoil)			ES1	0.10					
		31.58 [1.75]			0.25							
			Firm grey mottled red slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular, fine to medium of coal. Pyrite crystals noted in sand. (Till)						SPT	1.00	N=11 (1,2/2,3,3,3)	
						D1	1.20					
		29.83 [1.60]			2.00				SPT	2.00	N=6 (1,2/1,2,1,2)	
▼			Soft to firm brown very sandy CLAY. Sand is fine to coarse. (Till)									
						ES2	3.00		SPT	3.00	N=11 (1,2/1,2,2,6)	
		28.23 [1.40]			3.60							
			Weathered SANDSTONE recovered as red gravelly sand. (Chester Formation)						SPT	4.00	N=30 (6,6/6,8,8,8)	
		26.83	Hole Terminated at 5.00m bgl.		5.00				SPT	5.00	N=67 (9,15/22,15,15,15)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 2.50m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS03	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.87
	Project Number: 233398			**Eastings:**	361809.59
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395419.47
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	25/04/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Firm dark brown sandy CLAY. Sand is fine to coarse. (Topsoil)			ES1	0.10					
		32.47 [4.60]	Firm brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone and coal. (Till)		0.40				SPT	1.00	N=8 (1,2/2,2,2,2)	
						ES2	2.00		SPT	2.00	N=10 (1,2/2,3,2,3)	
						D1	2.30					
									SPT	3.00	N=15 (3,3/5,4,3,3)	
									SPT	4.00	N=14 (3,4/3,4,4,3)	
		27.87	Hole Terminated at 5.00m bgl.		5.00				SPT	5.00	N=17 (4,3/4,4,4,5)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS04	**Project Name:** ILP-North			**Ground Level (m AOD):** 29.35	
	Project Number: 233398			**Eastings:** 361545.19	
	Client: Intermodal Logistics Park North Ltd			**Northings:** 395486.74	
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 01/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Dark brown slightly clayey gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone.			ES1	0.20					
		28.95 [0.60]	(Topsoil)		0.40							
			Firm brown sandy CLAY. Sand is fine to coarse. (Till)						SPT	1.00	N=7 (1,2/1,2,2,2)	
		28.35 [2.90]	Soft to stiff brown slightly silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular, fine to coarse of sandstone and coal. (Till)		1.00	ES2	1.50					
									SPT	2.00	N=14 (1,2/2,3,4,5)	
									SPT	3.00	N=22 (1,2/3,4,6,9)	
		25.45 [0.10] 25.35	Weathered SANDSTONE recovered as red gravelly sand. (Chester Formation)		3.90				SPT	4.00	N=57 (6,11/12,15,15,15)	
			Hole Terminated at 4.00m bgl.		4.00							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS05	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.80
	Project Number: 233398			**Eastings:**	361730.65
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395569.82
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 25/04/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.20] 31.60 [1.80]	Soft dark brown sandy CLAY. Sand is fine to coarse. (Topsoil)		0.20	ES1A	0.20					
			Firm brown sandy CLAY. Sand is fine to coarse. (Till)			ES1	0.50					
									SPT	1.00	N=8 (1,2/2,2,2,2)	
		29.80 [2.00]	Firm dark greyish brown sandy SILT. Sand is fine to coarse. (Till)		2.00				SPT	2.00	N=8 (1,2/1,2,2,3)	
▼						D1	3.00		SPT	3.00	N=13 (1,2/2,3,3,5)	
		27.80 [1.00]	Weathered SANDSTONE recovered as reddish brown clayey sand. Sand is fine to coarse. (Chester Formation)		4.00				SPT	4.00	N=18 (2,3/4,5,4,5)	
		26.80	Hole Terminated at 5.00m bgl.		5.00				SPT	5.00	N=50 (3,5/9,11,12,18)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 2.50m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS06	**Project Name:** ILP-North			**Ground Level (m AOD):**	36.21
	Project Number: 233398			**Eastings:**	362135.97
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395751.01
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 01/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.60]	Firm brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded, fine to medium of sandstone and brick. (Made Ground)			ES1	0.40					
		35.61 [2.80]	Loose brown clayey fine to coarse SAND. (Till)		0.60				SPT	1.00	N=6 (1,2/1,2,1,2)	
						ES2	1.40					
▼									SPT	2.00	N=7 (2,2/1,2,2,2)	
									SPT	3.00	N=10 (1,2/2,3,2,3)	
		32.81 [1.60]	Firm brown sandy CLAY with plant material. Sand is fine to coarse. (Till)		3.40	D1	3.50					
									SPT	4.00	N=10 (1,2/2,3,2,3)	
		31.21	Hole Terminated at 5.00m bgl.		5.00				SPT	5.00	N=13 (3,2/3,3,4,3)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 2.40m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS07	**Project Name:** ILP-North			**Ground Level (m AOD):**	29.06
	Project Number: 233398			**Eastings:**	361844.48
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395141.99
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 23/04/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.25]	Crops over firm dark brown sandy CLAY with low rootlet content. Sand is fine to coarse. (Topsoil)			ES1	0.20					
		28.81 [1.75]			0.25	ES1A	0.20					
			Firm grey mottled brown sandy CLAY. Sand is fine to coarse. (Till)						SPT	1.00	N=10 (1,2/2,2,3,3)	
						D1	1.20					
		27.06 [0.50]			2.00				SPT	2.00	N=85 (5,9/15,22,24,24)	
			Extremely weak light yellowish brown SANDSTONE recovered as slightly clayey sand. (Chester Formation)			D2	2.20					
		26.56			2.50							
			Hole Terminated at 2.50m bgl.									

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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BOREHOLE LOG

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LOCATION ID					
DS08	**Project Name:** ILP-North			**Ground Level (m AOD):**	29.56
	Project Number: 233398			**Eastings:**	361739.13
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395277.98
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	23/04/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.20]	Crops over firm dark brown sandy CLAY with low rootlet content. Sand is fine to coarse. (Topsoil)		0.20	ES1	0.10					
		29.36 [1.20]	Medium dense reddish brown clayey SAND. Sand is fine to coarse. (Till)						SPT	1.00	N=14 (3,3/3,4,4,3)	
		28.16 [2.60]	Firm brown sandy CLAY. Sand is fine to coarse. (Till)		1.40							
						B1	2.00	4.00	SPT	2.00	N=10 (2,2/2,2,3,3)	
▼									SPT	3.00	N=12 (2,2/3,3,3,3)	
		25.56 [1.00]	Weak red SANDSTONE recovered as red sandy gravel. (Chester Formation)		4.00				SPT	4.00	N=61 (3,4/4,15,14,28)	
						D1	4.20					
		24.56	Hole Terminated at 5.00m bgl.		5.00							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 3.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS09	**Project Name:** ILP-North			**Ground Level (m AOD):**	30.11
	Project Number: 233398			**Eastings:**	361554.35
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395366.19
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	23/04/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.20]	Firm dark brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular, fine to coarse of brick and sandstone. (Made Ground)			ES1	0.10					
		29.91 [2.80]			0.20	ES1A	0.20					
			Loose brown very clayey SAND with lenses of orange and grey sand. Sand is fine to coarse. (Till)						SPT	1.00	N=9 (1,1/2,2,2,3)	
						D1	2.00		SPT	2.00	N=7 (1,2/1,2,2,2)	
▼		27.11 [1.00]	Stiff reddish brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded, fine to coarse of mudstone. (Till)		3.00				SPT	3.00	N=23 (3,4/5,6,6,6)	
						D1	3.50					
		26.11 [0.45]	Weak red SANDSTONE recovered as red sandy gravel. (Chester Formation)		4.00				SPT	4.00	50 (50 for 75mm/50 for 30mm)	
		25.66	Hole Terminated at 4.45m bgl.		4.45							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

Groundwater Strike at 3.10m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS10	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.40
	Project Number: 233398			**Eastings:**	361386.03
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395315.05
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	24/04/2025	**Engineer:** LC	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.30]	Grass over dark brown to dark grey silty fine and medium SAND with frequent rootlets to 0.25m. (Topsoil)		0.30	ES1	0.40	0.50				
		31.10 [0.65]	Brown and orange becoming light greyish brown from 0.6m fine and medium SAND. (Till)		0.95				SPT	1.00	N=14 (1,2/3,3,3,5)	
		30.45 [0.55]	Medium dense grey occasionally brown slightly silty fine and medium SAND. (Till)		1.50	ES2	1.20	1.30				
		29.90 [0.55]	Stiff grey occasionally mottled red slightly gravelly CLAY/SILT. Gravel is fine and medium subangular to subrounded limestone, quartzite, chert and occasional very weak sandstone. (Till)		2.05	D1	1.70	1.80				
		29.35 [0.40]	Medium dense grey occasionally yellow silty fine and medium SAND. (Till)		2.45				SPT	2.00	N=22 (3,3/3,3,8,8)	
		28.95 [0.05]	Stiff dark red to reddish brown slightly sandy CLAY. (Till)		2.50							
		28.90 [0.15]	Orange and yellow slightly gravelly fine and medium SAND. Gravel is fine to coarse subrounded chert and quartzite. (Till)		2.65							
		28.75 [0.25]	Stiff dark red to reddish brown slightly sandy CLAY. (Till)		2.90				SPT	3.00	25 (9,15/25 for 50mm)	
		28.50 [0.30]	Very dense grey and orange slightly gravelly fine and medium SAND. Gravel is fine to coarse subangular to subrounded quartzite and weak sandstone. (Chester Formation)		3.20							
		28.20	Hole Terminated at 3.20m bgl.									

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS11	**Project Name:** ILP-North			**Ground Level (m AOD):**	29.19
	Project Number: 233398			**Eastings:**	361661.32
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394697.39
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	24/04/2025	**Engineer:** LC	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.70]	Crop over brown to dark brown slightly silty slightly gravelly fine and medium SAND with frequent rootlets to 0.1m. Gravel of fine and medium subangular to subrounded quartzite with rare brick and clinker fragments.			ES1	0.10	0.20				
		28.49 [0.35]	(Topsoil)		0.70	ES1A	0.20					
		28.14 [0.10]	Yellow fine and medium SAND. Noted to be damp. (Chester Formation)		1.05	ES2	0.80	0.90	SPT	1.00	N=76 (1,2/9,15,22,30)	
		28.04 [0.35]	Soft dark brown occasionally greyish brown slightly sandy CLAY. (Chester Formation)		1.15							
		27.69	Dense yellow becoming red to reddish brown from 1.4m fine and medium SAND. (Chester Formation)		1.50							
			Hole Terminated at 1.50m bgl.									

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS12	**Project Name:** ILP-North			**Ground Level (m AOD):**	34.49
	Project Number: 233398			**Eastings:**	361854.36
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394850.75
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 24/04/2025		**Engineer:** LC	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.45]	Grass over brown to dark brown slightly clayey slightly gravelly fine to coarse SAND with frequent roots to 0.1m. Gravel is fine to coarse angular to subrounded brick, ash, quartzite and sandstone. Occasional angular cobbles of brick in top 0.15m. (Made Ground)			ES1	0.10	0.20				
		34.04 [1.85]			0.45	ES2	0.60	0.70				
			Dense orangish brown to reddish brown fine to coarse SAND. (Chester Formation)						SPT	1.00	N=57 (3,5/9,12,15,21)	
									SPT	2.00	52 (10,15/52 for 125mm)	
		32.19	Hole Terminated at 2.30m bgl.		2.30							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID				
DS13	**Project Name:** ILP-North		**Ground Level (m AOD):** 33.77	
	Project Number: 233398		**Eastings:** 361611.05	
	Client: Intermodal Logistics Park North Ltd		**Northings:** 394988.40	
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 24/04/2025	**Engineer:** LC	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.20] 33.57	Crop over brown to dark brown slightly silty slightly gravelly fine and medium SAND with frequent rootlets to 0.1m. Gravel of fine and medium subangular to subrounded quartzite with rare brick fragments. (Topsoil)		0.20	ES1	0.30	0.40				
		[0.50] 33.07	Orangish brown to brown slightly gravelly slightly silty fine and medium SAND. Gravel is fine and medium angular to subrounded quartzite and occasional weak sandstone. (Chester Formation)		0.70	ES2	0.80	0.90				
		[1.50]	Dense yellow becoming red to reddish brown from 0.75m fine to coarse SAND. (Chester Formation)						SPT	1.00	N=36 (3,5/9,9,9,9)	
		31.57	Hole Terminated at 2.20m bgl.		2.20				SPT	2.00	15 (10,18/15 for 20mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS14	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.38
	Project Number: 233398			**Eastings:**	361138.13
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394323.85
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 30/04/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.30]	Crops over dark brown sandy CLAY with low rootlet content. Sand is fine to coarse.			ES1A	0.20					
		32.08 [1.60]	(Topsoil)		0.30							
			Soft brown sandy CLAY. Sand is fine to coarse. (Chester Formation)			D1	1.00		SPT	1.00	N=7 (1,2/1,2,2,2)	
		30.48 [0.10] 30.38	Black and orange gravelly SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)		1.90 2.00	ES1	1.95		SPT	2.00	20 (30 for 75mm/20 for 0mm)	
			Hole Terminated at 2.00m bgl.									

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS15	**Project Name:** ILP-North			**Ground Level (m AOD):** 32.50	
	Project Number: 233398			**Eastings:** 361039.27	
	Client: Intermodal Logistics Park North Ltd			**Northings:** 394654.98	
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 30/04/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Crops over dark brown sandy CLAY with low rootlet content. Sand is fine to coarse.			ES1	0.20					
		32.10 [0.50]	(Topsoil)		0.40	D1	0.50					
			Firm brown sandy CLAY. Sand is fine to coarse. (Chester Formation)									
		31.60 [0.60]	Weathered SANDSTONE recovered as red gravelly sand. (Chester Formation)		0.90				SPT	1.00	N=57 (3,5/9,12,16,20)	
		31.00	Hole Terminated at 1.50m bgl.		1.50							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS16	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.85
	Project Number: 233398			**Eastings:**	361384.82
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394153.51
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	30/04/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.70] [1.10]	Crops over firm dark brown sandy CLAY. Sand is fine to coarse. (Topsoil)			ES1	0.10					
		31.15	Stiff brown slightly gravelly sandy CLAY. Sand is fine to coarse, gravel is subangular, fine to coarse of coal. (Till)		0.70				SPT	1.00	N=26 (2,2/3,5,9,9)	
		30.65 [0.30]	Reddish brown slightly clayey SAND. Sand is fine to coarse. (Chester Formation)		1.20	D1	1.30					
		30.35 [0.50]	Weathered SANDSTONE recovered as yellow sandy gravel. (Chester Formation)		1.50				SPT	1.50	N=79 (9,13/16,15,18,30)	
		29.85	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	50 (50 for 0mm/50 for 50mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS17	**Project Name:** ILP-North			**Ground Level (m AOD):** 35.42	
	Project Number: 233398			**Eastings:** 360921.16	
	Client: Intermodal Logistics Park North Ltd			**Northings:** 395017.49	
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 01/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Grass over firm dark brown sandy CLAY. Sand is fine to coarse. (Topsoil)			ES1	0.20					
		35.02 [1.60]	Weathered SANDSTONE recovered as red and yellowish brown gravelly sand. (Chester Formation)		0.40							
						ES2	1.00		SPT	1.00	N=26 (5,5/6,8,6,6)	
		33.42	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	N=86 (5,8/14,18,24,30)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS18	**Project Name:** ILP-North			**Ground Level (m AOD):**	33.53
	Project Number: 233398			**Eastings:**	361316.24
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395156.24
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	01/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Dark brown clayey SAND with low rootlet content. Sand is fine to coarse.			ES1	0.20					
		33.13 [0.50]	(Topsoil)		0.40	ES2	0.60					
			Stiff reddish brown slightly gravelly sandy CLAY. Gravel is subangular, fine to medium of sandstone and coal.									
		32.63 [0.60]	(Till)		0.90				SPT	1.00	N=82 (5,9/11,17,24,30)	
			Yellow becoming red weathered SANDSTONE. Recoverd as gravelly sand.									
		32.03	(Chester Formation)		1.50							
			Hole Terminated at 1.50m bgl.									

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS19	**Project Name:** ILP-North			**Ground Level (m AOD):**	35.50
	Project Number: 233398			**Eastings:**	361069.99
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394865.75
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 02/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Firm brown sandy CLAY with low rootlet content. Sand is fine to coarse.			ES1	0.30					
		35.10 [1.60]	(Topsoil)		0.40							
			Red clayey SAND. Sand is fine to coarse. (Chester Formation)			ES2	0.80					
									SPT	1.00	N=40 (5,5/8,9,9,14)	
		33.50	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	50 (50 for 75mm/50 for 20mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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BOREHOLE LOG

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LOCATION ID					
DS20	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.64
	Project Number: 233398			**Eastings:**	361336.76
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394680.48
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 02/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.50]	Crops over firm dark brown sandy CLAY with low cobble content. Sand is fine to coarse. Cobbles are subangular of sandstone.			ES1	0.40					
		31.14 [0.40]	(Topsoil)		0.50	ES2	0.70					
			Soft brown very sandy CLAY. Sand is fine to coarse.									
		30.74 [1.10]	(Till)		0.90				SPT	1.00	N=38 (4,4/8,9,9,12)	
			Weathered SANDSTONE recovered as red and yellow clayey fine to coarse SAND. (Chester Formation)									
		29.64	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	15 (11,21/15 for 20mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS21	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.75
	Project Number: 233398			**Eastings:**	361251.80
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395338.60
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 02/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Crops over firm dark brown sandy CLAY. Sand is fine to coarse. (Topsoil)			ES1	0.10					
		31.34 [0.30]				ES2	0.30					
			Firm brown sandy CLAY. Sand is fine to coarse. (Till)		0.40							
		31.04 [1.30]			0.70							
			Weathered SANDSTONE recovered as red and yellow clayey fine to coarse SAND. (Chester Formation)						SPT	1.00	N=29 (1,2/3,5,9,12)	
		29.74	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	50 (50 for 75mm/50 for 20mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS22	**Project Name:** ILP-North			**Ground Level (m AOD):**	34.69
	Project Number: 233398			**Eastings:**	361141.05
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395307.71
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 06/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Crops over firm dark brown sandy CLAY. Sand is fine to coarse. (Topsoil)			ES1	0.20					
		34.29 [0.20]			0.40							
			Firm brown sandy CLAY. Sand is fine to coarse. (Till)			D1	0.50					
		34.09 [0.90]			0.60							
			Red clayey SAND. Sand is fine to coarse. (Chester Formation)			ES2	1.00		SPT	1.00	N=49 (2,5/10,10,11,18)	
		33.19	Hole Terminated at 1.50m bgl.		1.50							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS26	**Project Name:** ILP-North			**Ground Level (m AOD):** 35.59	
	Project Number: 233398			**Eastings:** 360499.51	
	Client: Intermodal Logistics Park North Ltd			**Northings:** 395478.35	
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 09/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.30]	Dark brown clayey SAND with high rootlet content. Sand is fine to coarse.			ES1	0.20					
		35.29 [1.40]	(Topsoil)		0.30	ES1A	0.20					
			Weathered SANDSTONE recovered as red and light brown slightly clayey slightly gravelly sand. Sand is fine to coarse. (Chester Formation)			ES2	1.00		SPT	1.00	N=79 (6,10/16,18,18,27)	
		33.89	Hole Terminated at 1.70m bgl.		1.70	D1	1.70					

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID				
DS27	**Project Name:** ILP-North		**Ground Level (m AOD):**	35.07
	Project Number: 233398		**Eastings:**	360458.35
	Client: Intermodal Logistics Park North Ltd		**Northings:**	395539.50
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.35]	Brown clayey slightly gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of brick. (Made Ground)			ES1	0.20					
		34.72 [1.05]			0.35	ES1A	0.20					
			Stiff brown sandy CLAY. Sand is fine to coarse. (Till)						SPT	1.00	N=21 (1,2/3,3,5,10)	
		33.67 [0.50]	Weathered SANDSTONE recovered as light brown slightly clayey sand. Sand is fine to coarse. (Chester Formation)		1.40							
		33.17	Hole Terminated at 1.90m bgl.		1.90	D1	1.90		SPT	1.90	20 (18,20/20 for 20mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS29	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.66
	Project Number: 233398			**Eastings:**	360950.65
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395644.38
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 06/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.20] 32.46 [0.70]	Crops over dark brown clayey SAND. (Topsoil)		0.20							
			Firm brown sandy CLAY with plant material. Sand is fine to coarse. (Till)									
		31.76 [1.10]	Light brown becoming red clayey SAND. Sand is fine to coarse. (Chester Formation)		0.90	D1	1.50					
		30.66	Hole Terminated at 2.00m bgl.		2.00							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS30	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.43
	Project Number: 233398			**Eastings:**	360962.85
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395585.84
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 06/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.30]	Crops over dark brown clayey SAND. Sand is fine to coarse. (Topsoil)			ES1	0.10					
		32.13 [0.70]	Grey sandy SILT. Sand is fine to coarse. (Till)		0.30	D1	0.50					
		31.43 [0.45]	Firm brown sandy CLAY. Sand is fine to coarse. (Till)		1.00				SPT	1.00	N=10 (1,2/2,3,2,3)	
		30.98 [0.55]	Weathered SANDSTONE recovered as orange becoming red and light grey clayey sand. Sand is fine to coarse. (Chester Formation)		1.45	ES2	1.80					
		30.43	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	N=88 (8,9/88 for 255mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS31	**Project Name:** ILP-North			**Ground Level (m AOD):**	33.93
	Project Number: 233398			**Eastings:**	361098.21
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395433.24
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 07/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.80]	Crops over firm dark brown sandy CLAY. Sand is fine to coarse. (Topsoil)			ES1	0.60					
		33.13 [0.50]	Stiff light grey mottled brown slightly gravelly sandy CLAY. (Till)		0.80	ES2	1.00		SPT	1.00	N=22 (1,2/3,5,5,9)	
		32.63 [0.70]	Weathered SANDSTONE recovered as red clayey fine to coarse sand. (Chester Formation)		1.30	D1	1.50					
		31.93	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	30 (18,30/30 for 40mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS32	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.47
	Project Number: 233398			**Eastings:**	361208.27
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395458.26
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 06/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata			Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Crops over firm dark brown very sandy CLAY. Sand is fine to coarse.			ES1	0.10					
		31.07 [1.20]	(Topsoil)		0.40	ES2	0.50					
			Soft brown sandy CLAY. Sand is fine to coarse. (Till)						SPT	1.00	N=6 (1,2/1,2,1,2)	
		29.87 [0.40]	Weathered SANDSTONE recovered as red brown fine to coarse gravelly sand.		1.60							
		29.47	(Chester Formation)		2.00				SPT	2.00	50 (50 for 75mm/50 for 30mm)	
			Hole Terminated at 2.00m bgl.									

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS33	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.13
	Project Number: 233398			**Eastings:**	361082.02
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395545.06
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 06/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.25]	Crops over firm brown sandy CLAY. Sand is fine to coarse (Topsoil)		0.25	ES1	0.30					
		31.88 [0.15]	Light grey sandy CLAY. Sand is fine to medium. (Till)		0.40							
		31.73 [1.50]	Firm reddish brown very sandy CLAY. Sand is fine to coarse. (Till)						SPT	1.00	N=8 (1,2/2,2,2,2)	
						ES2	1.20					
		30.23 [0.10]	Weathered SANDSTONE recovered as red clayey fine to coarse sand. (Chester Formation)		1.90				SPT	2.00	52 (9,15/52 for 95mm)	
		30.13	Hole Terminated at 2.00m bgl.		2.00							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS34	**Project Name:** ILP-North			**Ground Level (m AOD):**	34.21
	Project Number: 233398			**Eastings:**	360911.60
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395437.42
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 07/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.60]	Firm dark brown becoming brown sandy CLAY with low rootlet content. Sand is fine to coarse. (Topsoil)			ES1	0.30					
		33.61 [0.90]			0.60							
			Yellowish brown clayey SAND. (Chester Formation)			ES2	0.80		SPT	1.00	N=65 (1,3/6,11,18,30)	
						D1	1.20					
		32.71			1.50							
			Hole Terminated at 1.50m bgl.									

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

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LOCATION ID					
DS35	**Project Name:** ILP-North			**Ground Level (m AOD):**	33.27
	Project Number: 233398			**Eastings:**	360980.41
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395531.58
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 06/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.35]	Crops over dark brown slightly gravelly clayey SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone.									
		32.92 [1.65]	(Topsoil)		0.35	ES1	0.55					
			Medium dense to very dense red clayey SAND. Sand is fine to coarse.			D1	1.00		SPT	1.00	N=16 (2,3/3,3,5,5)	
			(Chester Formation)									
		31.27	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	50 (8,18/50 for 105mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID				
DS36	**Project Name:** ILP-North		**Ground Level (m AOD):**	33.44
	Project Number: 233398		**Eastings:**	360726.49
	Client: Intermodal Logistics Park North Ltd		**Northings:**	395533.40
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Dark brown clayey SAND with high rootlet content. Sand is fine to coarse.									
		33.04 [0.60]	(Topsoil)		0.40	ES1	0.50					
			Medium dense to very dense red clayey SAND. Sand is fine to coarse.									
		32.44	(Chester Formation)		1.00				SPT	1.00	N=50 (3,6/50 for 265mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS37	**Project Name:** ILP-North			**Ground Level (m AOD):**	36.84
	Project Number: 233398			**Eastings:**	360847.71
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395322.00
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 07/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.25]	Dark brown clayey SAND with high rootlet content. Sand is fine to coarse.			ES1	0.10					
		36.59 [0.25]	(Topsoil)		0.25							
		36.34 [1.50]	Stiff grey sandy CLAY. (Till)		0.50	ES2	0.50					
			Weathered SANDSTONE recovered as red slightly clayey slightly gravelly sand. (Chester Formation)						SPT	1.00	N=28 (2,2/5,6,8,9)	
						D1	1.50					
									SPT	1.80	30 (10,22/30 for 30mm)	
		34.84	Hole Terminated at 2.00m bgl.		2.00							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS38	**Project Name:** ILP-North			**Ground Level (m AOD):**	33.32
	Project Number: 233398			**Eastings:**	360809.96
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395534.42
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 09/05/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.30]	Dark brown clayey SAND with high rootlet content. Sand is fine to coarse.			ES1	0.15					
		33.02 [0.20]	(Topsoil)		0.30	ES2	0.40					
		32.82 [1.00]	Brown slightly clayey SAND. Sand is fine to coarse. (Till)		0.50							
			Stiff red sandy CLAY. Sand is fine to coarse. (Till)			D1	1.00		SPT	1.00	N=21 (1,2/4,5,4,8)	
		31.82 [0.50]	Weathered SANDSTONE recovered as orange red fine to coarse sand. (Chester Formation)		1.50				SPT	1.60	50 (33 for 95mm/50 for 10mm)	
		31.32	Hole Terminated at 2.00m bgl.		2.00							

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS39	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.12
	Project Number: 233398			**Eastings:**	359833.79
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395324.97
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 23/06/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Dark brown clayey fine to coarse SAND. (Topsoil)			ES1	0.20					
		31.72 [1.10]	Brown becoming white fine to medium SAND. (Chester Formation)		0.40							
									SPT	1.00	N=23 (3,3/5,5,6,7)	
						ES2	1.20					
		30.62 [0.50]	Red clayey SAND. Sand is fine to coarse. (Chester Formation)		1.50							
		30.12	Hole Terminated at 2.00m bgl.		2.00				SPT	2.00	50 (50 for 75mm/50 for 20mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services, installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS40	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.45
	Project Number: 233398			**Eastings:**	359666.98
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395095.92
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:** 23/06/2025		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Dark brown clayey fine to medium SAND. (Topsoil)			ES1	0.30					
		31.05 [0.60]	Reddish brown fine to coarse SAND. (Chester Formation)		0.40							
		30.45	Hole Terminated at 1.00m bgl.		1.00				SPT	1.00	50 (50 for 75mm/50 for 95mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services, installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

BOREHOLE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
DS41	**Project Name:** ILP-North			**Ground Level (m AOD):**	26.27
	Project Number: 233398			**Eastings:**	359492.04
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394835.42
Hole Type: WLS	**Rig:** Premier 110PR	**Start & End Date:**	24/06/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Samples			In-Situ Tests			
Strike	Well	Level (m AOD) & [Thickness (m)]	Description	Legend	Depth (m bgl)	Type (Ublows)	From (m)	To (m)	Type	Depth (m)	Result	Casing Depth & (Water Level)
		[0.40]	Grass over dark brown clayey fine to coarse SAND with high rootlet content.			ES1	0.20					
		25.87 [1.10]	(Topsoil)		0.40							
			Stiff reddish brown sandy CLAY. Sand is fine to coarse. (Till)			ES2	1.00		SPT	1.00	N=22 (3,3/4,6,6,6)	
		24.77 [1.00]	Red and grey silty SAND. Sand is fine to coarse. (Till)		1.50	1	2.00		SPT	2.00	N=20 (5,7/5,4,4,7)	
		23.77 [0.50]	Yellow fine to coarse SAND. (Chester Formation)		2.50							
		23.27	Hole Terminated at 3.00m bgl.		3.00				SPT	3.00	50 (8,23/50 for 40mm)	

Chiseling		
From (m bgl)	To (m bgl)	Time (hh:mm)

Water Added		
From (m bgl)	To (m bgl)	Volume (l)

Remarks

Reason for Termination:

Refusal

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services, installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 1 of 1

LOCATION ID					
RO01	**Project Name:** ILP-North			**Ground Level (m AOD):**	34.13
	Project Number: 233398			**Eastings:**	361773.54
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395773.91
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	14/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Dark brown clayey SAND with high rootlet content. Sand is fine to coarse. (Topsoil)								ES			
		[1.00]									ES			
		33.13	Brown becoming light brown clayey fine to medium SAND. (Till)		1.00									
											ES			
											D			
		[7.70]									B	5.00 - 8.00m		
		25.43			8.70									
		[0.30]	Stiff greyish brown silty CLAY. (Till)											
		25.13			9.00						D			
			Hole Terminated at 9.00m bgl.											

Remarks

Reason for Termination:

Borehole terminated due to equipment failure.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 1 of 4

LOCATION ID					
RO02	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.22
	Project Number: 233398			**Eastings:**	361934.49
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395352.99
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	21/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[0.50]	Dark brown clayey SAND with high rootlet content. Sand is fine to coarse. (Topsoil)								ES			
		31.72			0.50									
			Firm light grey mottled light brown becoming brown slightly gravelly sandy CLAY. Gravel is subangular, fine to coarse of mudstone and sandstone. (Till)								ES			
											D			
		[6.20]												
											D			
		25.52			6.70									
			SANDSTONE recovered as red gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)								D			

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 29.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

LOCATION ID					
RO02	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.22
	Project Number: 233398			**Eastings:**	361934.49
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395352.99
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	21/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata			Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[23.30]	SANDSTONE recovered as red gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)										

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 29.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

LOCATION ID					
RO02	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.22
	Project Number: 233398			**Eastings:**	361934.49
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395352.99
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	21/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata			Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			SANDSTONE recovered as red gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)										

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 29.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

LOCATION ID					
RO02	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.22
	Project Number: 233398			**Eastings:**	361934.49
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395352.99
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	21/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			SANDSTONE recovered as red gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)											
		2.22			30.00									
			Hole Terminated at 30.00m bgl.											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 29.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

LOCATION ID				
RO03	**Project Name:** ILP-North		**Ground Level (m AOD):**	33.31
	Project Number: 233398		**Eastings:**	361716.72
	Client: Intermodal Logistics Park North Ltd		**Northings:**	395035.14
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[0.40]	Dark brown clayey fine to medium SAND. (Topsoil)											
		32.91			0.40									
		[1.80]	Orangish brown to brown slightly gravelly slightly silty fine and medium SAND. Gravel is fine and medium angular to subrounded quartzite and occasional weak sandstone. (Chester Formation)											
		31.11			2.20									
			Weathered SANDSTONE recovered as reddish brown fine to coarse sand. (Chester Formation)											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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ROTARY CORE LOG

LOCATION ID				
RO03	**Project Name:** ILP-North		**Ground Level (m AOD):**	33.31
	Project Number: 233398		**Eastings:**	361716.72
	Client: Intermodal Logistics Park North Ltd		**Northings:**	395035.14
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Weathered SANDSTONE recovered as reddish brown fine to coarse sand. (Chester Formation)											
		[27.80]												

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

LOCATION ID				
RO03	**Project Name:** ILP-North		**Ground Level (m AOD):**	33.31
	Project Number: 233398		**Eastings:**	361716.72
	Client: Intermodal Logistics Park North Ltd		**Northings:**	395035.14
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	**Engineer:** TF	**Checker:** RTR

Boring		Strata			Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Weathered SANDSTONE recovered as reddish brown fine to coarse sand. (Chester Formation)											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 4 of 4

LOCATION ID	Project Name:	ILP-North	Ground Level (m AOD):	33.31
RO03	Project Number:	233398	Eastings:	361716.72
	Client:	Intermodal Logistics Park North Ltd	Northings:	395035.14
Hole Type: RO	Rig:	Premier 110PR	Start & End Date:	Engineer: TF / Checker: RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Weathered SANDSTONE recovered as reddish brown fine to coarse sand. (Chester Formation)											
		3.31			30.00									
			Hole Terminated at 30.00m bgl.											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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ROTARY CORE LOG

Scale 1:50 Sheet 1 of 3

LOCATION ID					
RO04	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.60
	Project Number: 233398			**Eastings:**	361349.49
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394977.12
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	13/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[0.50]	Dark brown clayey SAND with high rootlet content. Sand is fine to coarse. (Topsoil)								ES			
		32.10			0.50									
		[1.45]	Stiff reddish brown slightly sandy slightly gravelly CLAY. Gravel is subangular, fine to coarse of sandstone and coal. (Till)								D			
		30.65			1.95									
			SANDSTONE recovered as reddish brown slightly clayey SAND. Sand is fine to coarse. (Chester Formation)											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 18.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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ROTARY CORE LOG

LOCATION ID					
RO04	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.60
	Project Number: 233398			**Eastings:**	361349.49
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394977.12
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	13/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			SANDSTONE recovered as reddish brown slightly clayey SAND. Sand is fine to coarse. (Chester Formation)											
		[18.05]												

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 18.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 3 of 3

LOCATION ID					
RO04	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.60
	Project Number: 233398			**Eastings:**	361349.49
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394977.12
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	13/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata			Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		12.60	SANDSTONE recovered as reddish brown slightly clayey SAND. Sand is fine to coarse. (Chester Formation)		20.00									
			Hole Terminated at 24.00m bgl.											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 18.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 1 of 3

LOCATION ID					
RO05	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.02
	Project Number: 233398			**Eastings:**	361664.32
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394382.55
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	16/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[0.50]	Brown becoming light brown clayey fine to medium SAND. (Topsoil)								ES			
		31.52			0.50									
		[1.50]	Red slightly clayey SAND. Sand is fine to coarse. (Chester Formation)								D			
		30.02			2.00									
			SANDSTONE recovered as reddish brown slightly clayey sand. Sand is fine to coarse. (Chester Formation)											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 20.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 2 of 3

LOCATION ID					
RO05	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.02
	Project Number: 233398			**Eastings:**	361664.32
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394382.55
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	16/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[22.00]	SANDSTONE recovered as reddish brown slightly clayey sand. Sand is fine to coarse. (Chester Formation)											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 20.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 3 of 3

LOCATION ID					
RO05	**Project Name:** ILP-North			**Ground Level (m AOD):**	32.02
	Project Number: 233398			**Eastings:**	361664.32
	Client: Intermodal Logistics Park North Ltd			**Northings:**	394382.55
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	16/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata			Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			SANDSTONE recovered as reddish brown slightly clayey sand. Sand is fine to coarse. (Chester Formation)										
		8.02	Hole Terminated at 24.00m bgl.		24.00								

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 20.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 1 of 3

LOCATION ID	Project Name:	ILP-North	Ground Level (m AOD):	31.83
RO06	Project Number:	233398	Eastings:	361312.85
	Client:	Intermodal Logistics Park North Ltd	Northings:	395282.16
Hole Type: RO	Rig:	Premier 110PR	Start & End Date: 15/05/2025	Engineer: TF / Checker: RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[0.30]	Dark brown clayey fine to medium SAND. (Topsoil)		0.30									
		31.52	Firm brown sandy CLAY. Sand is fine to coarse. (Till)											
		[0.70]												
		30.82	Weathered SANDSTONE recovered as reddish brown fine to coarse sand. (Chester Formation)		1.00									

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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ROTARY CORE LOG

LOCATION ID					
RO06	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.83
	Project Number: 233398			**Eastings:**	361312.85
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395282.16
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	15/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Weathered SANDSTONE recovered as reddish brown fine to coarse sand. (Chester Formation)											
		[19.00]												

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 3 of 3

LOCATION ID					
RO06	**Project Name:** ILP-North			**Ground Level (m AOD):**	31.83
	Project Number: 233398			**Eastings:**	361312.85
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395282.16
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	15/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Weathered SANDSTONE recovered as reddish brown fine to coarse sand. (Chester Formation)											
		11.82			20.00									
			Hole Terminated at 20.00m bgl.											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

LOCATION ID					
RO07	**Project Name:** ILP-North			**Ground Level (m AOD):**	33.74
	Project Number: 233398			**Eastings:**	360805.67
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395489.51
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	12/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[0.50]	Crops over dark brown slightly clayey SAND. Sand is fine to coarse. (Topsoil)								ES			
		33.24	SANDSTONE recovered as reddish brown slightly clayey sand. Sand is fine to coarse. (Chester Formation)		0.50						ES			
											D			

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 12.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

LOCATION ID					
RO07	**Project Name:** ILP-North			**Ground Level (m AOD):**	33.74
	Project Number: 233398			**Eastings:**	360805.67
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395489.51
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	12/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			SANDSTONE recovered as reddish brown slightly clayey sand. Sand is fine to coarse. (Chester Formation)											
		[26.50]												
			Hole Terminated at 17.50m bgl.											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 12.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 3 of 3

LOCATION ID					
RO07	**Project Name:** ILP-North			**Ground Level (m AOD):**	33.74
	Project Number: 233398			**Eastings:**	360805.67
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395489.51
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	12/05/2025	**Engineer:** TF	**Checker:** RTR

Boring		Strata			Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend / Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			SANDSTONE recovered as reddish brown slightly clayey sand. Sand is fine to coarse. (Chester Formation)										
		6.74		27.00									

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

Groundwater Strike at 12.00m bgl.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 1 of 3

LOCATION ID					
RO08	**Project Name:** ILP-North			**Ground Level (m AOD):**	37.91
	Project Number: 233398			**Eastings:**	360988.40
	Client: Intermodal Logistics Park North Ltd			**Northings:**	395274.43
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**		**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
		[0.40]	Dark brown clayey SAND with high rootlet content. Sand is fine to coarse.											
		37.51	(Topsoil)		0.40									
			Reddish/light brown and yellow fine to coarse gravelly SAND. Gravel is fine to medium, subangular to subrounded quartz.											
		[1.50]	(Chester Formation)											
		36.01	Weathered SANDSTONE recovered as reddish brown sand.		1.90									
			(Chester Formation)											

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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ROTARY CORE LOG

LOCATION ID				
RO08	**Project Name:** ILP-North		**Ground Level (m AOD):**	37.91
	Project Number: 233398		**Eastings:**	360988.40
	Client: Intermodal Logistics Park North Ltd		**Northings:**	395274.43
Hole Type: RO	**Rig:** Premier 110PR	**Start & End Date:**	**Engineer:** TF	**Checker:** RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Weathered SANDSTONE recovered as reddish brown sand. (Chester Formation)											
		[22.10]												

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

ROTARY CORE LOG

Scale 1:50 Sheet 3 of 3

LOCATION ID	Project Name:	ILP-North	Ground Level (m AOD):	37.91
RO08	Project Number:	233398	Eastings:	360988.40
	Client:	Intermodal Logistics Park North Ltd	Northings:	395274.43
Hole Type: RO	Rig:	Premier 110PR	Start & End Date:	Engineer: TF / Checker: RTR

Boring		Strata				Rock Core Details					Samples and In-Situ Tests			
Strike	Well	Level (m AOD) & (Thickness (m))	Description	Legend	Depth (m bgl)	Core Run	TCR (%)	SCR (%)	RQD (%)	FI (Spacing Min, Avg, Max)	Type	Depth (m)	Result	Casing Depth (Water Level)
			Weathered SANDSTONE recovered as reddish brown sand. (Chester Formation)											
		13.91	Hole Terminated at 24.00m bgl.		24.00									

Remarks

Reason for Termination:

Target depth reached.

Groundwater Remarks:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Installed with monitoring standpipe upon completion. No visual or olfactory evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.73
SA01	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	12/05/2025	Stability: Stable
Ground Level (m AOD): 32.79	Eastings & Northings:	361834E 395684N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 32.44	Firm dark brown friable slightly sandy slightly gravelly CLAY with many fine roots. (TOPSOIL) (Topsoil)		0.35						
		0.15m 32.29	Dark brown and light grey brown slightly sandy slightly gravelly friable CLAY. (SUBSOIL) (Till)		0.50						
		1.60m	Firm light brown mottled grey CLAY. Sand is fine to coarse. Gravels are fine to coarse subangular to subrounded of quartz, sandstone, mudstone and rare coal. (Till)						HSV HSV HSV	1.20 1.20 1.20	(48)kPa (52)kPa (62)kPa
			Friable clay. *Becoming slightly damp and soft*						HSV HSV HSV	1.90 1.90 1.90	(54)kPa (62)kPa (75)kPa
		30.69	Hole Terminated at 2.10m bgl.		2.10						

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Soakaway pit constructed. No visual or olfactory evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.80
SA02	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	12/05/2025	Stability: Stable
Ground Level (m AOD): 28.72	Eastings & Northings:	361933E 395072N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.33m 28.39	Dark brown sandy friable CLAY with some roots. Sand is fine and medium. (TOPSOIL)								
		0.24m 28.15	(Chester Formation) Stiff orange reddish and mottled dark brown and grey slightly gravelly sandy CLAY. Sand is fine to coarse.		0.33						
		0.43m 27.72	(Till) Orange and reddish mottled brown clayey slightly gravelly SAND. Sand is fine and medium. Gravels are fine to coarse angular to subrounded of quartz, sandstone, coal and mudstone.		0.57						
			(Till) *8" Clay pipe (land drain) tending north east to south west. (northern end of pit)* Hole Terminated at 1.00m bgl.		1.00						

Remarks

Reason for Termination:

Terminated as land drain present likely to interfere with test results

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings. No visual or olfactory evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			1.70
SA02A	**Project Number:** 233398			0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 12/05/2025		Stability: Stable
Ground Level (m AOD): 28.72		**Eastings & Northings:** 361933E 395072N	Engineer: RH	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
			Dark brown sandy slightly gravelly friable CLAY. Sand fine and medium. Dry at surface with some roots. (Topsoil)							
		0.90m								
			Becoming soft to firm.							
		27.82	*6" Clay pipe (land drain) tending north to south (eastern end of pit) (northern end of pit)*	0.90						
		0.30m								
		27.52	Brown/orange slightly clayey fine to coarse SAND with occasional fine to medium subrounded gravel of quartz. (Till)	1.20						
		0.50m								
		27.02	Orange brown with yellow pockets slightly gravelly fine to coarse SAND with frequent mica flecks. (WEATHERED SANDSTONE) (Chester Formation)	1.70						
		0.40m								
		26.62	Orange brown with yellow pockets with frequent mica flecks recovered as SAND, GRAVEL and COBBLE of subangular sandstone. (WEATHERED SANDSTONE) (Chester Formation)	2.10						
			Hole Terminated at 2.10m bgl.							

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Soakaway pit constructed. No visual or olfactory evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.00
SA03	**Project Number:** 233398		0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 12/05/2025	Stability: Slight spawlling in north face
Ground Level (m AOD): 33.92	**Eastings & Northings:** 361610E 394885N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.25m 33.67	Dark brown sandy dry friable CLAY with rare fine to coarse subrounded gravel of quartz and some roots. Sand is fine and medium. (Topsoil)		0.25						
		0.15m 33.52	Orange brown slightly clayey fine to medium SAND. (Till)		0.40						
		1.35m	Orange and yellow brown slightly gravelly fine to coarse SAND. Gravels are fine to medium subangular to subrounded of quartz and sandstone. Yellow pockets are coarse grained sand. (Chester Formation)								
		32.17	*Sandstone gravels becoming more frequent and is conglomeritic.* Hole Terminated at 1.75m bgl.		1.75						

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Soakaway pit constructed. No visual or olfactory evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.95
SA04	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	12/05/2025	Stability: Stable
Ground Level (m AOD): 29.24	Eastings & Northings:	361791E 394587N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 28.84	Dark brown slightly gravelly slightly sandy dry friable CLAY. Sand is fine to medium. Gravels are fine to coarse subrounded of quartz. (TOPSOIL) (Topsoil)		0.40						
		0.25m 28.59	Reddish/orange brown slightly gravelly clayey fine to coarse SAND. Gravels are fine to coarse subrounded of quartz and occasional sandstone. (SUBSOIL) (Chester Formation)		0.65						
		0.40m 28.19	Orange brown fine to coarse SAND with some fine to medium subrounded gravel of quartz. (Chester Formation)		1.05						
		0.68m 27.51	Red/brown gravelly fine to coarse SAND with mica flecks. Gravels are fine to coarse subangular to subrounded of quartz and sandstone. (Chester Formation)		1.73						
			Frequent coarse subangular gravel and cobble of weak sandstone. Hole Terminated at 1.73m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Soakaway pit constructed. No visual or olfactory evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.73
SA05	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	12/05/2025	Stability: Stable
Ground Level (m AOD): 34.20	Eastings & Northings:	361296E 394049N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 33.90	Firm dark brown slightly sandy CLAY with some roots. Sand is fine to medium. Rare gravel and cobble of quartz, chert and sandstone. (Topsoil)		0.30				HSV HSV HSV	0.40 0.40 0.40	(100)kPa (104)kPa (98)kPa
		0.95m	Firm orange brown mottled grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravels are fine to medium subangular to subrounded of coal, quartz, sandstone. Grey mottled parts are sandy. (Till)						HSV HSV HSV	1.00 1.00 1.00	(78)kPa (80)kPa (90)kPa
		32.95	*Becoming increasingly sandy with depth through the strata*		1.25						
		0.50m 32.45	Orange/reddish brown and yellow slightly gravelly slightly clayey fine to coarse SAND. Gravels are fine to coarse subrounded of quartz. (Chester Formation)		1.75						
		0.23m 32.22	Yellow brown weathered coarse grained SANDSTONE (recovered as SAND, GRAVEL & COBBLE). (Chester Formation)		1.98						
			Hole Terminated at 1.98m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Soakaway pit constructed.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.68
SA06	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	12/05/2025	Stability: Stable
Ground Level (m AOD): 34.10	Eastings & Northings:	360861E 395468N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 33.80	Dark brown slightly clayey fine to coarse SAND with some roots. (TOPSOIL) (Topsoil)		0.30						
		0.20m 33.60	Light/medium orange brown slightly clayey fine to coarse SAND with rare fine to medium subangular to subrounded gravel of sandstone and quartz. (SUBSOIL) (Chester Formation)		0.50						
		0.45m 33.15	Light yellow and orange brown slightly gravelly fine to coarse SAND. Gravels are fine to medium subangular of sandstone. (Chester Formation)		0.95						
		1.15m 32.00	Light brown and orange brown gravelly fine to coarse SAND. Gravels are fine to coarse subangular weak/very weak red/orange sandstone. (WEATHERED SANDSTONE) (Chester Formation) *Becoming increasingly cobbly.*		2.10						
			Hole Terminated at 2.10m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Soakaway pit constructed.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			1.80
TP01	**Project Number:** 233398			0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025		Stability: Stable
Ground Level (m AOD): 34.67		**Eastings & Northings:** 361979E 395831N	Engineer: DZ	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 34.27	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.40	D1	0.50	0.60			
		0.80m	Firm mottled brown grey slightly gravelly silty very sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. (Till)						HSV HSV HSV	0.80 0.80 0.80	(100)kPa (90)kPa (90)kPa
▼		33.47	Brown silty fine SAND. (Chester Formation)		1.20	B1	1.70	1.90			
		2.20m									
		31.27	Hole Terminated at 3.40m bgl.		3.40	B2	3.30	3.40			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

Wet soils below 1.20m bgl. Slow water inflow.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		1.90
TP02	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025	Stability: Unstable below 1.60m.
Ground Level (m AOD): 37.28	**Eastings & Northings:** 362189E 395799N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 36.98	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite, plastic and brick. (Made Ground)		0.30	D1	0.10	0.20			
		1.30m	Firm mottled brown grey slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. (Reworked Natural Soils) (Made Ground)			B1	0.60	0.70			
▼		35.68 1.10m	Brown slightly gravelly very clayey fine to coarse SAND. Gravel is angular to sub-rounded fine to coarse sandstone. (Glaciofluvial Ice Contact Deposits)		1.60	D2	1.90	2.00			
		34.58	Hole Terminated at 2.70m bgl.		2.70	B2	2.50	2.60			

Remarks

Reason for Termination:

Terminated on collapse of wet soils.

Groundwater Notes:

Wet soils below 1.60m bgl. Moderate water inflow.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.10
TP03	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025	Stability: Stable
Ground Level (m AOD): 34.56	**Eastings & Northings:** 362162E 395589N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 34.21	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35	D1	0.40	0.50			
			Firm mottled orange brown grey slightly gravelly sandy silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine and medium. (Till)			B1	0.60	0.70	HSV HSV HSV	0.60 0.60 0.60	(85)kPa (90)kPa (90)kPa
▼		1.75m	*Between 1.50m bgl and 2.1m bgl: up to 5mm thick sand bands.*								
		32.46 0.90m	Brown slightly gravelly very sandy CLAY. Gravel is sub-angular to sub rounded fine to coarse sandstone. Sand is fine to coarse. (Chester Formation)		2.10	D2	2.20	2.30	HSV HSV HSV	2.00 2.00 2.00	(70)kPa (70)kPa (75)kPa
		31.56 0.70m	Light brown slightly gravelly fine SAND. Gravel is sub-rounded to rounded fine and medium quartzite. (Chester Formation)		3.00	B2 D3	3.10 3.50	3.20 3.70			
		30.86	Hole Terminated at 3.70m bgl.		3.70						

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

Slightly wet soils below 1.50m bgl.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			1.90
TP04	**Project Number:** 233398			0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025		Stability: Stable
Ground Level (m AOD): 32.40		**Eastings & Northings:** 361955E 395604N	Engineer: DZ	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.60m 31.80	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)	0.60	D1	0.20	0.40			
		1.40m 30.40	Soft dark grey black sandy silty CLAY with occasional partially decomposed leaves and rootlets. Sand is fine to coarse. (Organic Silt/clay)	2.00	B1 ES1	0.90 0.90	1.00 1.00	HSV HSV HSV	0.80 0.80 0.80	(40)kPa (40)kPa (45)kPa
		0.90m 29.50	Soft dark brown, grey and black CLAY with partially decomposed leaves, rootlets and wood. (Organic Silt/clay) *at 2.50m bgl: Large up to 70cm in diameter pieces of metal.*	2.90	D2 B2 ES2 D3	2.40 2.50 2.50 2.80	2.50 2.60 2.60 2.90	HSV HSV HSV HSV HSV HSV	2.40 2.40 2.40 2.80 2.80 2.80	(30)kPa (35)kPa (40)kPa (100)kPa (100)kPa (95)kPa
		0.20m 29.30	Firm to stiff light brown silty CLAY. (Till)	3.10						
		0.60m 28.70	Brown and light brown medium SAND. (Chester Formation)	3.70	B3	3.60	3.70			
			Hole Terminated at 3.70m bgl.							

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.10
TP05	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025	Stability: Stable
Ground Level (m AOD): 31.48	**Eastings & Northings:** 361688E 395510N		Engineer: DZ Checker: RTR

Strata

Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)
		0.30m 31.18	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30
			Firm mottled orange, brown and grey slightly gravelly, sandy and silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine. (Till) *at 0.50m bgl: Clay drainage pipe.*		
		2.20m 28.98	Firm mottled orange, brown and grey slightly gravelly silty very sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine and medium. (Till)		2.50 2.90
		0.40m 28.58 0.60m 27.98	Firm brown pale grey slightly clayey gravelly SILT. Gravel is sub-angular and sub-rounded fine and medium sandstone. (Chester Formation)		3.50
			Hole Terminated at 3.50m bgl.		

Samples

Type	From (m)	To (m)
D1	0.10	0.20
B1	0.70	0.80
B2	2.50	2.60
D2	2.80	2.90
B3	3.40	3.50

In-Situ Tests

Type	Depth (m)	Result
HSV	0.80	(60)kPa
HSV	0.80	(60)kPa
HSV	0.80	(65)kPa
HSV	2.60	(65)kPa
HSV	2.60	(65)kPa
HSV	2.60	(70)kPa

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			2.00
TP06	**Project Number:** 233398			0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025		Stability: Stable
Ground Level (m AOD): 30.17		**Eastings & Northings:** 361618E 395540N	Engineer: DZ	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 29.82	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)	0.35						
			Firm mottled orange, brown and grey slightly gravelly very sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine. (Till)		D1	0.70	0.80	HSV HSV HSV	0.60 0.60 0.60	(55)kPa (60)kPa (65)kPa
		2.25m 27.57	Soft grey brown silty sandy CLAY. Sand is fine. (Till)	2.60	D2	2.70	2.80	HSV HSV HSV	2.70 2.70 2.70	(65)kPa (70)kPa (70)kPa
		1.00m 26.57	Hole Terminated at 3.60m bgl.	3.60	D3	3.50	3.60			

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			2.10
TP07	**Project Number:** 233398			0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025		Stability: Stable
Ground Level (m AOD): 32.89		**Eastings & Northings:** 361895E 395569N	Engineer: DZ	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 32.59	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30	B1	0.40	0.50			
		1.90m	Firm mottled orange, brown and grey slightly gravelly sandy silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine. (Till)						HSV HSV HSV	0.80 0.80 0.80	(85)kPa (90)kPa (90)kPa
		30.69 0.60m	Firm brown and grey slightly gravelly silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. (Till)		2.20	B2	2.30	2.40			
		30.09 0.80m	Soft to firm brown sandy gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse sandstone, quartzite and shale. Sand is fine. (Till)		2.80						
		29.29	Hole Terminated at 3.60m bgl.		3.60	B3	3.50	3.60			

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.90
TP08	Project Number:	233398		0.70 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	30/04/2025	Stability: Stable
Ground Level (m AOD): 32.74	Eastings & Northings:	361882E 395471N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 32.44	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30	B1	0.10	0.30			
		2.10m	Firm mottled orange brown and grey slightly gravelly very sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine. (Till)			B2	0.70	0.80	HSV HSV HSV	0.60 0.60 0.60	(60)kPa (65)kPa (70)kPa
		30.34 1.00m	Red clayey, gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		2.40	D1	2.10	2.20			
		29.34	Hole Terminated at 3.40m bgl.		3.40	B3	3.30	3.40			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		
TP09	Project Number:	233398	1.95	
	Client:	Intermodal Logistics Park North Ltd	0.70 Pit Dimensions (m)	Orientation: °
	Plant: JCB 3CX	Start & End Date: 30/04/2025	Stability: Stable	
Ground Level (m AOD): 32.22	Eastings & Northings:	362077E 395390N	Engineer: DZ	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 31.92	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30						
		0.90m	Firm mottled orange brown and grey slightly gravelly sandy silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone. Sand is fine. (Till)			D1	0.50	0.60	HSV HSV HSV	0.70 0.70 0.70	(65)kPa (65)kPa (70)kPa
		31.02	Red gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.20						
		2.00m				D2	2.30	2.40			
						D3	3.00	3.20			
		29.02	Hole Terminated at 3.20m bgl.		3.20						

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		1.90
TP10	**Project Number:** 233398		0.60 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 28/04/2025	Stability: Stable
Ground Level (m AOD): 31.11	**Eastings & Northings:** 361643E 395414N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 30.71	Dark brown clayey slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.40						
		1.20m	Firm mottled orange grey red and brown very sandy CLAY. Sand is fine. (Till)			B1	0.90	1.00	HSV HSV HSV	0.80 0.80 0.80	(80)kPa (80)kPa (85)kPa
▼		29.51	Soft to firm slightly gravelly very sandy CLAY. Gravel is angular fine and medium sandstone and quartzite. Sand is fine. (Till)		1.60	D1 B2	2.00 2.30	2.10 2.50			
		1.90m							HSV HSV HSV	2.50 2.50 2.50	(50)kPa (60)kPa (65)kPa
		27.61	Hole Terminated at 3.50m bgl.		3.50	B3	3.40	3.50			

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

Wet soils below 1.60m bgl. Slow water inflow.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	Project Name:	ILP-North		1.80
TP11	Project Number:	233398		0.60 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	28/04/2025	Stability: Stable
Ground Level (m AOD): 30.28	Eastings & Northings:	361440E 395372N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 29.88	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.40	B1	0.20	0.40			
		1.70m	Soft to firm mottled brown orange grey slightly gravelly sandy silty CLAY. Gravel is sub-angular to sub-rounded fine and medium sandstone and quartzite. Sand is fine to coarse. (Till)			B2	0.80	0.90	HSV HSV HSV	1.20 1.20 1.20	(70)kPa (70)kPa (80)kPa
		28.18	Red gravelly fine and medium SAND. Gravel is angular to sub-rounded medium and coarse sandstone. (Chester Formation)		2.10	D1	1.70	1.80			
		1.40m	*Below 3.00m bgl: With cobbles. Cobbles are angular sandstone.*			D2	2.80	2.90			
		26.78	Hole Terminated at 3.50m bgl.		3.50	B3	3.30	3.50			

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.00
TP12	Project Number:	233398		0.60 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	28/04/2025	Stability: Stable
Ground Level (m AOD): 29.28	Eastings & Northings:	361609E 395306N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 28.93	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35						
		0.85m	Brown yellow grey slightly sandy silty CLAY. Sand is fine to coarse. (Till)			B1	0.90	1.20			
		28.08			1.20						
		1.00m	Soft brown, orange and grey slightly gravelly sandy silty CLAY. Gravel is sub-angular to sub rounded fine to coarse sandstone, quartzite and shale. Sand is fine. (Till)			D2	1.50	1.60			
						B2	1.90	2.10	HSV HSV HSV	2.00 2.00 2.00	(45)kPa (50)kPa (50)kPa
		27.08			2.20						
		1.20m	Red and orange gravelly fine and medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular sandstone. (Chester Formation)								
		25.88	Hole Terminated at 3.40m bgl.		3.40	B3	3.30	3.40			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.80
TP13	Project Number:	233398		0.60 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	28/04/2025	Stability: Unstable below 1.70m.
Ground Level (m AOD):	30.71	Eastings & Northings:	361758E 395319N	Engineer: DZ / Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 30.41	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30	D1	0.10	0.20			
		1.40m	Soft to firm mottled brown orange and grey andy silty CLAY. Sand is fine. (Till)			B1	0.60	0.70	HSV HSV HSV	0.70 0.70 0.70	(110)kPa (90)kPa (95)kPa
▼		29.01	Light brown and yellow medium SAND. (Chester Formation)		1.70	B2	1.80	2.00			
		1.60m	*Below 2.50m: Soft clay bands up to 10cm.*								
		27.41	Hole Terminated at 3.30m bgl.		3.30	D3 D2	3.10 3.20	3.20 3.30			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

Wet soils below 1.70m bgl. Slow water inflow.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.00	
TP14	**Project Number:** 233398		0.60 Pit Dimensions (m)	Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 28/04/2025	Stability: Stable	
Ground Level (m AOD): 28.46		**Eastings & Northings:** 361843E 395273N	Engineer: DZ	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 28.16	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)	0.30						
		0.80m	Soft dark brown grey slightly gravelly slightly sandy silty CLAY with brown and green partially decomposed leaves and rootlets. Gravel is subangular to rounded fine and medium quartzite and sandstone. Sand is fine to coarse.		B1	0.70	0.90	HSV HSV HSV	0.60 0.60 0.60	(50)kPa (55)kPa (60)kPa
		27.36	(Organic Silt/clay)	1.10	B2	1.10	1.20	HSV HSV HSV	1.10 1.10 1.10	(100)kPa (105)kPa (90)kPa
		1.90m	Firm brown and pale grey slightly gravelly very silty CLAY. Gravel is sub-angular to sub-rounded medium sandstone. (Till)							
		25.46		3.00	D1	2.90	3.00			
		0.50m	Red slightly gravelly fine and medium SAND. Gravel is sub-angular to sub-rounded medium and coarse sandstone. (Chester Formation)		B3	3.20	3.50			
		24.96	Hole Terminated at 3.50m bgl.	3.50						

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		1.90	
TP15	**Project Number:** 233398		0.60 Pit Dimensions (m)	Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 28/04/2025	Stability: Stable	
Ground Level (m AOD): 30.43		**Eastings & Northings:** 362006E 395169N	Engineer: DZ	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 30.08	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)	0.35	B1	0.10	0.30			
			Firm mottled brown orange yellow slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular to rounded medium and coarse sandstone and quartzite. Sand is fine and medium. (Till)		D1	0.50	0.60	HSV HSV HSV	0.55 0.55 0.55	(70)kPa (75)kPa (85)kPa
			at 0.40m bgl: Clay drainage pipe.		B2	1.00	1.30			
		2.05m						HSV HSV HSV	1.30 1.30 1.30	(75)kPa (75)kPa (80)kPa
					D2	2.00	2.10	HSV HSV HSV	2.00 2.00 2.00	(80)kPa (85)kPa (90)kPa
		28.03	Firm brown sandy very gravelly CLAY with low cobble content. Gravel is angular to rounded fine to coarse sandstone, quartzite and shale. Cobbles are sub-angular and sub-rounded sandstone. Sand is fine. (Till)	2.40	B3	2.60	2.70			
		0.90m								
		27.13	Hole Terminated at 3.30m bgl.	3.30	D3	3.20	3.30			

Remarks

Reason for Termination:

Terminated due to hard dig.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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LOCATION ID:	Project Name:	ILP-North		1.80
TP16	Project Number:	233398		0.70 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	29/04/2025	Stability: Stable
Ground Level (m AOD): 33.90	Eastings & Northings:	361434E 395134N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 33.55	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35	D1	0.10	0.20			
		0.95m	Red brown clayey fine to coarse SAND. (Chester Formation)			B1	0.70	0.90			
		32.60	Hole Terminated at 1.30m bgl.		1.30	D2	1.20	1.30			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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LOCATION ID:	Project Name:	ILP-North		2.00
TP17	Project Number:	233398		0.60 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	28/04/2025	Stability: Stable
Ground Level (m AOD): 32.68	Eastings & Northings:	361622E 395114N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 32.33	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35	B1 ESES1A	0.20 0.20	0.30			
		1.25m	Red orange yellow slightly clayey fine to coarse SAND. (Chester Formation)			B2	1.40	1.50			
		31.08 0.50m 30.58	Red gravelly fine and medium SAND with low cobble content. Gravel is angular to sub-angular medium and coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.60 2.10	B3	2.00	2.10			
			Hole Terminated at 2.10m bgl.								

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.00
TP18	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025	Stability: Stable
Ground Level (m AOD): 30.59	**Eastings & Northings:** 361912E 395017N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 30.29	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30	B1	0.10	0.20			
		0.60m	Red gravelly medium SAND. Gravel is angular to sub-rounded fine to coarse sandstone.			B2	0.40	0.50			
		29.69	(Chester Formation)		0.90						
		1.10m	Red gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)			B3	1.70	2.00			
		28.59	Hole Terminated at 2.00m bgl.		2.00						

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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LOCATION ID:	**Project Name:** ILP-North		2.10
TP19	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025	Stability: Stable
Ground Level (m AOD): 34.35	**Eastings & Northings:** 361679E 394947N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 33.95	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.40	B1	0.20	0.40			
		0.50m 33.45	Red medium SAND. (Chester Formation)		0.90	D1	0.60	0.70			
		1.20m	Red orange yellow slightly gravelly clayey fine to coarse SAND with low cobble content. Gravel is angular to sub-rounded medium and coarse sandstone. Cobbles are angular to sub-angular sandstone. (Chester Formation)			B2	1.00	1.30			
		32.25	Hole Terminated at 2.10m bgl.		2.10	D2	2.00	2.10			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

TRIAL PIT LOG

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LOCATION ID:	Project Name:	ILP-North		1.90
TP20	Project Number:	233398		0.70 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	29/04/2025	Stability: Stable
Ground Level (m AOD): 33.22	Eastings & Northings:	361439E 395040N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 32.87	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35	B1	0.10	0.30			
		1.25m	Firm mottled grey brown orange sandy silty CLAY. Sand is fine to coarse. (Till) *at 0.50m bgl: Clay drainage pipe.*			B2	0.50	0.70	HSV HSV HSV	0.70 0.70 0.70	(90)kPa (90)kPa (95)kPa
▼		31.62 0.20m 31.42	Red slightly clayey fine and medium SAND. (Chester Formation)		1.60 1.80	D1 D2	1.50 1.70	1.60 1.80			
		0.90m	Red gravelly very clayey fine to coarse SAND. Gravel is sub-angular to sub-rounded fine and medium sandstone. (Chester Formation)			B3	2.60	2.70			
		30.52	Hole Terminated at 2.70m bgl.		2.70						

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

Wet soils between 1.60m bgl and 1.80.0m bgl.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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LOCATION ID:	**Project Name:** ILP-North		2.00
TP21	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025	Stability: Stable
Ground Level (m AOD): 31.10	**Eastings & Northings:** 361412E 394787N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 30.80	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30						
		0.60m 30.20	Firm mottled orange brown and grey silty sandy CLAY. Sand is fine and medium. (Till)		0.90	D1	0.60	0.70	HSV HSV HSV	0.60 0.60 0.60	(90)kPa (95)kPa (95)kPa
		0.20m 30.00	*at 0.50m bgl: Plastic drainage pipe.* Firm mottled light brown and light grey CLAY. (Till)		1.10	B1	1.00	1.10	HSV HSV HSV	1.00 1.00 1.00	(80)kPa (80)kPa (85)kPa
		1.40m	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium and coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)			B2	2.30	2.50			
		28.60	Hole Terminated at 2.50m bgl.		2.50						

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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LOCATION ID:	**Project Name:** ILP-North			1.90
TP22	**Project Number:** 233398			0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025		Stability: Stable
Ground Level (m AOD): 33.15		**Eastings & Northings:** 361916E 394740N	Engineer: DZ	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 32.85	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30	D1	0.10	0.20			
		1.50m	Red clayey fine to coarse SAND. (Chester Formation)			B1	0.50	0.60			
		31.35 1.10m	Red gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.80	B2 D2	2.70 2.80	2.80 2.90			
		30.25	Hole Terminated at 2.90m bgl.		2.90						

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.00	
TP23	**Project Number:** 233398		0.70 Pit Dimensions (m)	Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025	Stability: Stable	
Ground Level (m AOD): 33.61		**Eastings & Northings:** 361797E 394789N	Engineer: DZ	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 33.31	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)	0.30	D1	0.10	0.20			
		1.20m	Soft to firm red brown slightly gravelly very sandy CLAY. Gravel is sub-angular to rounded fine and medium quartzite. (Till)		B1	0.60	0.70			
		32.11 0.80m	Red clayey medium SAND. (Chester Formation)	1.50	B2	1.60	1.80			
		31.31 0.20m 31.11	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)	2.30 2.50	B3	2.30	2.50			
			Hole Terminated at 2.50m bgl.							

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.10	
TP24	**Project Number:** 233398		0.70 Pit Dimensions (m)	Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025	Stability: Stable	
Ground Level (m AOD): 31.15		**Eastings & Northings:** 361609E 394587N	Engineer: DZ	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 30.80	Dark brown slightly gravelly clayey silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35						
		1.55m	Firm mottled orange brown grey slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone. Sand is fine to coarse. (Till) *at 0.50m bgl: Clay drainage pipe.*			B1 D1	0.50 0.90	0.60 1.00			
		29.25 0.50m 28.75	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium and coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation) *Between 1.90m bgl and 2.40m bgl: Up to 10cm pockets of yellow medium SAND.* Hole Terminated at 2.40m bgl.		1.90 2.40	B2	2.20	2.40			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	Project Name:	ILP-North		1.80
TP25	Project Number:	233398		0.70 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	29/04/2025	Stability: Stable
Ground Level (m AOD): 34.31	Eastings & Northings:	361469E 394536N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 34.01	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.30	D1	0.10	0.20			
		0.50m 33.51	Red gravelly medium SAND. Gravel is angular to sub-rounded medium and coarse sandstone. (Chester Formation)		0.80	D2	0.50	0.70			
		0.90m	Red yellow slightly gravelly clayey fine to coarse SAND with low cobble content. Gravel is angular to sub-rounded medium and coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)			B1	1.20	1.30			
		32.61	Hole Terminated at 1.70m bgl.		1.70	B2	1.60	1.70			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		1.90
TP26	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025	Stability: Stable
Ground Level (m AOD): 29.87	**Eastings & Northings:** 361696E 394531N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 29.52	Dark brown slightly gravelly silty clayey fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35	D1	0.10	0.20			
		0.55m 28.97	Soft to firm mottled orange brown grey slightly sandy silty CLAY. Sand is fine and medium. (Till) *at 0.50m bgl: Clay drainage pipe.*		0.90	B1	0.50	0.70	HSV HSV HSV	0.70 0.70 0.70	(50)kPa (55)kPa (60)kPa
		0.60m 28.37	Red brown fine and medium SAND. (Chester Formation)		1.50	B2	1.20	1.30			
		1.30m 27.07	Light brown yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium and coarse sandstone. Cobbles are angular to sub-angular sandstone. (Chester Formation)		2.80	B3	2.70	2.80			
			Hole Terminated at 2.80m bgl.								

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			1.90
TP27	**Project Number:** 233398			0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 29/04/2025		Stability: Stable
Ground Level (m AOD): 32.47		**Eastings & Northings:** 361637E 394368N	Engineer: DZ	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 32.17	Dark brown slightly gravelly silty fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)	0.30	B1	0.10	0.30			
			Red yellow clayey fine to coarse SAND. (Chester Formation) *Between 0.30m bgl and 1.90m bgl: Up to 15cm pockets of yellow medium SAND.*		B2	0.80	0.90			
		1.60m			D1	1.50	1.70			
		30.57 0.30m 30.27	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded medium and coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)	1.90 2.20	B B3	2.00 2.00	2.20 2.20			
			Hole Terminated at 2.20m bgl.							

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			2.00
TP28	**Project Number:** 233398			0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 01/05/2025		Stability: Stable
Ground Level (m AOD): 33.36		**Eastings & Northings:** 361363E 394366N	Engineer: DZ	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 33.06	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)	0.30	B B1	0.10 0.10	0.30 0.30			
		1.80m	Red yellow gravelly medium SAND. Gravel is angular to sub-rounded fine to coarse sandstone. (Chester Formation)		B2	0.90	1.00			
		31.26 0.20m 31.06	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)	2.10 2.30	B3 D1	2.10 2.10	2.30 2.30			
			Hole Terminated at 2.30m bgl.							

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.00
TP29	Project Number:	233398		0.70 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	01/05/2025	Stability: Stable
Ground Level (m AOD): 30.58	Eastings & Northings:	361389E 394256N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.70m 29.88	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.70	B1	0.50	0.60			
		1.80m 28.08	Red and yellow gravelly medium SAND. Gravel is angular to sub-rounded fine to coarse sandstone. (Chester Formation)		2.50	B2	1.50	1.60			
		1.10m 26.98	Red and yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		3.60	D1	3.50	3.60			
			Hole Terminated at 3.60m bgl.								

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		1.90	
TP30	**Project Number:** 233398		0.70 Pit Dimensions (m)	Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 01/05/2025	Stability: Stable	
Ground Level (m AOD): 33.87		**Eastings & Northings:** 361275E 394184N	Engineer: DZ	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 33.57	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	B1	0.10	0.30			
		0.80m 32.77	Firm brown and grey slightly gravelly silty sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine and medium. (Till)		1.10	B2	0.60	0.70	HSV HSV HSV	0.60 0.60 0.60	(120)kPa (120)kPa (130)kPa
		0.80m 31.97	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.90	B3	1.70	1.90			
			Hole Terminated at 1.90m bgl.								

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		1.90
TP31	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 01/05/2025	Stability: Stable
Ground Level (m AOD): 35.10	**Eastings & Northings:** 361222E 394063N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 34.70	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.40	D1 D2	0.20 0.40	0.40 0.60			
		0.20m 34.50	Firm mottled grey orange brown slightly gravely slightly sandy sandy CLAY. Gravel is sub-angular to sub rounded fine and medium sandstone and quartzite. Sand is fine and medium. (Till)		0.60				HSV HSV HSV	0.60 0.60 0.60	(60)kPa (65)kPa (70)kPa
		1.60m	Firm mottled grey orange brown sandy gravelly very silty CLAY. Gravel is angular to sub-rounded fine and medium sandstone, quartzite and shale. (Till)			B1	1.50	1.60	HSV HSV HSV	1.60 1.60 1.60	(65)kPa (70)kPa (70)kPa
		32.90 0.40m 32.50	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		2.20 2.60	B2	2.50	2.60			
			Hole Terminated at 2.60m bgl.								

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		1.95
TP32	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 01/05/2025	Stability: Stable
Ground Level (m AOD): 31.74	**Eastings & Northings:** 361161E 394419N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 31.44	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	B1 ESES1A	0.10 0.20	0.20			
		0.80m 30.64	Firm to stiff brown grey slightly gravelly silty sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine and medium. (Till)		1.10	D1 B2	0.60 0.90	0.70 1.10	HSV HSV HSV	0.60 0.60 0.60	(100)kPa (110)kPa (110)kPa
		1.10m 29.54	Red yellow clayey fine to coarse SAND. (Chester Formation) Hole Terminated at 2.20m bgl.		2.20	B3	2.00	2.20			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		1.80
TP33	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 01/05/2025	Stability: Stable
Ground Level (m AOD): 32.09	**Eastings & Northings:** 361087E 394511N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 31.79	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	D1	0.10	0.20			
		0.50m 31.29	Firm brown grey slightly gravelly silty sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine and medium. (Till)		0.80	B1	0.50	0.70			
		1.30m	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)			B2	1.90	2.00			
		29.99	Hole Terminated at 2.10m bgl.		2.10	D2	2.00	2.10			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		1.90
TP34	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 01/05/2025	Stability: Stable
Ground Level (m AOD): 33.59	**Eastings & Northings:** 361193E 394559N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 33.29	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	D1	0.10	0.20			
		1.40m	Soft red brown very sandy CLAY. Sand is fine and medium. (Till)			D2	0.60	0.70	HSV HSV HSV	0.70 0.70 0.70	(40)kPa (45)kPa (50)kPa
						B1	1.20	1.30			
		31.89 0.40m 31.49	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.70 2.10	B2	2.00	2.10			
			Hole Terminated at 2.10m bgl.								

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		1.95
TP35	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 02/05/2025	Stability: Stable
Ground Level (m AOD): 31.98	**Eastings & Northings:** 361247E 394744N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 31.68	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	B1	0.10	0.30			
		0.30m 31.38	Firm brown grey slightly gravelly slightly sandy silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine to coarse. (Till)		0.60	B2	0.40	0.50			
		1.30m	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)			D1	0.70	0.80			
		30.08	Hole Terminated at 1.90m bgl.		1.90	B3	1.70	1.90			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		1.90
TP36	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 02/05/2025	Stability: Stable
Ground Level (m AOD): 32.74	**Eastings & Northings:** 361279E 395011N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 32.44	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	D1	0.10	0.20			
		1.00m	Firm brown grey slightly gravelly sandy CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine and medium. (Till)			D2	0.40	0.50			
		31.44 0.90m	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.30	B1	0.70	0.80			
		30.54	Hole Terminated at 2.20m bgl.		2.20	B2	2.00	2.20			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.00
TP37	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 02/05/2025	Stability: Stable
Ground Level (m AOD): 36.67	**Eastings & Northings:** 361021E 394963N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 36.37	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	B1	0.10	0.20			
		1.00m	Red yellow slightly gravelly clayey fine to medium SAND. Gravel is angular to sub-rounded fine to coarse sandstone. (Chester Formation)			B2	0.50	0.70			
		35.37 0.80m	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.30	B3	1.80	2.00			
		34.57	Hole Terminated at 2.10m bgl.		2.10	D1	2.00	2.10			

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.10
TP38	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 02/05/2025	Stability: Stable
Ground Level (m AOD): 36.00	**Eastings & Northings:** 361147E 395152N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 35.70	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	D1	0.10	0.20			
		1.10m	Red yellow gravelly medium SAND. Gravel is angular to sub-rounded fine to coarse sandstone. (Chester Formation)			B1	0.70	0.80			
		34.60 0.50m 34.10	Red yellow gravelly clayey fine to coarse SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.40 1.90	B2	1.80	1.90			
			Hole Terminated at 1.90m bgl.								

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.00	
TP39	**Project Number:** 233398		0.70 Pit Dimensions (m)	Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 02/05/2025	Stability: Stable	
Ground Level (m AOD): 35.44		**Eastings & Northings:** 361173E 395235N	Engineer: DZ	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 35.14	Dark brown slightly gravelly SILT with rootlets. Gravel is sub-rounded to rounded fine to medium quartzite. (Topsoil)		0.30	B1	0.10	0.30			
		0.90m	Red yellow gravelly medium SAND. Gravel is angular to sub-rounded fine to coarse sandstone. (Chester Formation)			B2	0.50	0.70			
		34.24 0.50m 33.74	Red yellow gravelly medium SAND with low cobble content. Gravel is angular to sub-rounded fine to coarse sandstone. Cobbles are angular and sub-angular sandstone. (Chester Formation)		1.20 1.70	D1 B3	1.50 1.60	1.60 1.70			
			Hole Terminated at 1.70m bgl.								

Remarks

Reason for Termination:

Terminated on rock.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.30	
TP40	**Project Number:** 233398		0.63 Pit Dimensions (m)	Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 08/05/2025	Stability: Stable	
Ground Level (m AOD): 33.55		**Eastings & Northings:** 361269E 395246N	Engineer: RH	Checker: RTR

Strata

Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)
		0.35m 33.20	Dark brown slightly sandy slightly gravelly friable CLAY with some roots and rare fine to medium subangular to subrounded gravel of brick, slate and quartz. (TOPSOIL)		
		0.20m 33.00	(Topsoil)		0.35
		0.39m 32.61	Orange brown, mottled light brown slightly sandy friable CLAY with rare fine to coarse, subangular to surrounded gravel of quartz. Frequent worms (SUBSOIL)		
		0.16m 32.45	(Till)		0.55
		0.40m 32.05	Firm, light brown and brown, slightly sandy, slightly gravelly CLAY. Sand is fine to medium, gravel is fine to medium subangular to subrounded quartz, coal and sandstone.		
			(Till)		0.94
			Increasingly sandy with depth		1.10
			Light yellow brown slightly clayey fine to coarse SAND.		
			(Chester Formation)		
			Red and brown slightly gravelly fine to coarse SAND. Gravel is subangular, fine to coarse of sandstone, some fine to medium subrounded quartz.		
			(Chester Formation)		1.50
			Hole Terminated at 1.50m bgl.		

Samples

Type	From (m)	To (m)
D1	0.20	
ES1	0.20	
D2	0.40	
D3	0.70	
B1	1.30	

In-Situ Tests

Type	Depth (m)	Result
HSV	0.40	(32)kPa
HSV	0.40	(50)kPa
HSV	0.40	(58)kPa
HSV	0.70	(65)kPa
HSV	0.70	(72)kPa
HSV	0.70	(80)kPa

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.40
TP41	**Project Number:** 233398		0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 07/05/2025	Stability: Stable
Ground Level (m AOD): 30.49	**Eastings & Northings:** 361297E 395384N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 30.18	Stiff dark brown slightly sandy slightly gravelly friable CLAY with low rootlet content. Sand is fine to coarse. Gravels are fine to coarse subangular to subrounded of quartz, sandstone with some mica flecks. (Topsoil)		0.30	D1	0.20				
		0.30m 29.88	Light brown & grey slightly clayey slightly gravelly fine to coarse SAND. Gravel is subangular, fine to medium of sandstone, quartz. (Till)		0.60	B1	0.45				
		0.50m 29.38	Firm brown mottled orange & grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded, fine to medium of quartz, sandstone, rare coal, and mudstone. (Till)		1.10	D2	0.70		HSV HSV HSV HSV HSV HSV HSV HSV HSV	0.70 0.70 0.70 0.90 0.90 0.90 1.30 1.30 1.30	(65)kPa (70)kPa (72)kPa (72)kPa (75)kPa (79)kPa (88)kPa (98)kPa (99)kPa
		0.60m 28.78	Stiff brown & orange mottled grey slightly silty slightly sandy CLAY. Sand is fine to coarse. (Till) *Damp.*		1.70	D3	1.30				
		0.50m 28.28	Red brown fine to coarse gravelly SAND with low cobble content. Gravel is subrounded fine to medium gravel of quartz and sandstone. Cobbles are subangular of sandstone. (Chester Formation)		2.20	B2	2.00				
			Hole Terminated at 2.20m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.40
TP42	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	08/05/2025	Stability: Stable
Ground Level (m AOD): 33.66	Eastings & Northings:	361186E 395395N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.27m 33.39	Dark brown slightly silty, sandy slightly gravelly friable CLAY. Gravel is subrounded, fine to medium of quartz. (Topsoil)		0.27	D1	0.10				
		0.21m 33.18	Firm, light brown, slightly sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded, fine to medium of quartz, sandstone and mudstone. (Till)		0.48	D2	0.35				
		0.72m 32.46	Soft red and brown mottled grey sandy, slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded, fine to coarse quartz, coal and sandstone. Sand appears in lenses and is grey and orange in colour. (Till)		1.20	B1 D3	0.80 0.80		HSV HSV HSV	0.80 0.80 0.80	(32)kPa (36)kPa (42)kPa
		0.63m 31.83	*Land drain trending northeast to southwest.*		1.83	B2	1.40				
		0.13m 31.70	*Becoming orange with increased SAND content.* Red and orangish brown fine to coarse grained SANDSTONE, recovered as fine to coarse sand and fine to coarse subangular gravel and cobbles. (Chester Formation)		1.96	B3	1.90				
			Yellow brown, orange & light brown coarse grained thinly bedded SANDSTONE recovered as medium to coarse sand, angular to subangular fine to coarse gravel & cobbles of sandstone. (Chester Formation)								
			Hole Terminated at 1.96m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.40
TP43	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	08/05/2025	Stability: Stable
Ground Level (m AOD): 37.64	Eastings & Northings:	361014E 395223N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 37.34	Dark brown clayey fine to coarse SAND with occasional gravels and cobbles of quartz. (Topsoil)		0.30	B1 ESES1A B2	0.20 0.20 0.40				
		0.40m 36.94	Orangish brown slightly gravelly slightly clayey fine to coarse SAND. Gravels are fine to coarse subrounded to subangular of quartz and sandstone. (Till)		0.70	B3	0.90				
		0.80m 36.14	Reddish brown and yellow slightly gravelly fine to medium SAND with yellow fine to coarse sand lenses. Gravels is subrounded, fine to coarse of quartz. (Chester Formation) *Becoming gravelly*		1.50	B4	1.60				
		0.50m 35.64	Yellow and red brown fine to coarse slightly gravelly SAND with low cobble content. Sand is fine to coarse. Gravel is angular, platy, fine to coarse of sandstone. Cobbles are subangular of sandstone. (Chester Formation)		2.00						
		0.45m 35.19	Red and yellow gravelly SAND with high cobble content. Gravels and cobbles are angular to subangular, fine to coarse of sandstone with some mica flecks. (Chester Formation)		2.45	B5	2.40				
			Hole Terminated at 2.45m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North			2.40
TP44	**Project Number:** 233398			0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd			
	Plant: JCB 3CX	**Start & End Date:** 08/05/2025		Stability: Stable
Ground Level (m AOD): 35.79		**Eastings & Northings:** 360860E 395166N	Engineer: RH	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 35.49	Firm to stiff dark brown slightly sandy slightly gravelly CLAY with some roots and frequent worm holes. Sand is fine to coarse. (Topsoil)	0.30	D1	0.20				
		0.30m 35.19	*Single gravel sized fragment of glass*		D2	0.50		HSV	0.50	(58)kPa
		0.80m	Firm orange and light brown slightly sandy slightly gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subrounded, fine to coarse of quartz, granite, coal. Cobbles are subangular of quartzite. (Till)	0.60	B1	0.70		HSV HSV	0.50 0.50	(84)kPa (94)kPa
		34.39 0.30m 34.09 0.20m 33.89	Red, brown and orange slightly clayey slightly gravelly fine to coarse SAND. Gravel is subrounded, fine to medium of quartz, rare mudstone and sandstone. (Till)	1.40 1.70	B2 B3	1.50 1.80				
			Red and yellow slightly gravelly fine to coarse SAND. Sand is fine to coarse. Gravel is subangular to subrounded, fine to coarse of quartz and sandstone. (Chester Formation)	1.90						
			Red and yellow fine to coarse SAND and fine to coarse subangular GRAVEL of sandstone with some mica flecks. Some cobbles of sandstone. Lenses of yellow coarse grained sand 0.10-0.30mm thickness. (Chester Formation)							
			Hole Terminated at 1.90m bgl.							

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.50
TP45	**Project Number:** 233398		0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 08/05/2025	Stability: Stable
Ground Level (m AOD): 35.25	**Eastings & Northings:** 361014E 395334N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.33m 34.92 0.24m 34.68	Dark brown clayey slightly gravelly fine to medium SAND. Gravel is subrounded, fine to medium l of quartz. Micaceous flecks. (Topsoil)		0.33	B1 D1 B2	0.20 0.20 0.45				
		1.33m	Dark reddish brown slightly clayey fine to coarse SAND rare fine to medium subangular to subrounded gravel of quartz. (Till)		0.57	B3	1.30				
		33.35 0.50m 32.85	Reddish light brown and yellow fine to coarse gravelly SAND. Gravel is fine to medium, subangular to subrounded quartz. Micaceous flecks. (Chester Formation)		1.90	B4	2.10				
			Reddish brown with yellow pockets fine to coarse gravelly SAND. with low cobble content. Gravel is subrounded, fine to coarse of quartz Cobbles are subangular to subrounded of sandstone. (Chester Formation)		2.40						
			Hole Terminated at 2.40m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		
TP46	Project Number:	233398	2.30	
	Client:	Intermodal Logistics Park North Ltd	0.63 Pit Dimensions (m)	Orientation: °
	Plant: JCB 3CX	Start & End Date: 07/05/2025	Stability: Stable	
Ground Level (m AOD): 32.31	Eastings & Northings:	361138E 395498N	Engineer: RH	Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.50m	Dark brown slightly sandy slightly silty slightly gravelly friable CLAY. Gravel is subangular to subrounded, fine to medium of sandstone. (Topsoil)			B1	0.30				
		31.81			0.50						
		0.65m	Stiff red and orange brown mottled grey slightly sandy slightly silty slightly gravelly CLAY. Sand is fine to coarse. gravel is subangular to subrounded, fine to coarse of sandstone, mudstone, coal and rare dolerite. (Till)			B2	0.80		HSV	0.80	(85)kPa
						D1	0.80		HSV	0.80	(87)kPa
									HSV	0.80	(92)kPa
		31.16	*Land drain broken trending northeastern to southwestern face.*		1.15	D2	1.20		HSV	1.20	(45)kPa
		0.15m			1.30				HSV	1.20	(60)kPa
		31.01	Soft light brown and beige mottled grey & orange slightly sandy silty CLAY. Sand is fine to coarse. (Till)						HSV	1.20	(68)kPa
		0.90m	*Damp.*			B3	1.60				
						B4	1.90				
		30.11	Light brown & orange brown, grey silty slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular, fine to coarse of mudstone. Some fine fissures infilled with silt. (Till)		2.20	B5	2.40				
		0.45m	*Damp.*								
		29.66	*Becoming increasingly sandy.*		2.65						
			Slightly clayey gravelly fine to coarse SAND. Gravel is subangular, fine to medium of sandstone with mica flecks. (Chester Formation)								
			Hole Terminated at 2.65m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.30
TP47	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	07/05/2025	Stability: Stable
Ground Level (m AOD): 32.22	Eastings & Northings:	361026E 395566N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.20m 32.02	Dark brown slightly clayey slightly silty fine to medium SAND with rare fine to medium subrounded gravel of quartz. and low root content. Very rare fragments of pottery. (Topsoil)		0.20	D1	0.10				
		0.20m 31.82			0.40	D2	0.30				
		0.50m	Orangish dark brown mottled light brown slightly silty, slightly clayey fine to medium SAND. (Till)			B1	0.60		HSV HSV	0.60 0.60	(2)kPa (3)kPa
		31.32 0.20m 31.12			0.90 1.10	D3	1.00		HSV	0.60	(4)kPa
		0.50m	Soft light brown mottled orange & light grey slightly sandy slightly silty CLAY. (Till) *Unable to complete HSV due to lack of strength of material.*			B2	1.40				
		30.62 0.40m 30.22	Soft to firm red brown mottled orange & grey sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to medium angular to subrounded of quartz, coal, sandstone, mudstone and rare ironstone. (Till)		1.60 2.00	D3	1.80				
		0.20m 30.02	Red brown mottled light brown clayey fine to coarse SAND with some fine to coarse subangular gravel of sandstone. (Chester Formation)		2.20						
			Yellow & light brown gravelly fine to coarse SAND with occasional gravel sized pockets of soft clay. Gravel is subangular to subrounded, fine to medium of mudstone. (Chester Formation)								
			Yellow brown, orange & light brown coarse grained SANDSTONE recovered as medium to coarse sand, fine to coarse subangular and angular gravel and cobbles of sandstone. (Chester Formation)								
			Hole Terminated at 2.20m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.40
TP47A	**Project Number:** 233398		0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 07/05/2025	Stability: Stable
Ground Level (m AOD): 32.22	**Eastings & Northings:** 361026E 395566N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 31.92	Dark brown slightly sandy slightly silty friable CLAY with some roots and rootlets. (Topsoil)		0.30	D1	0.20				
		0.20m 31.72	Firm to stiff dark brown slightly sandy slightly silty CLAY. Sand is fine to coarse. (Till)		0.50	B1	0.40		HSV HSV	0.40 0.40	(58)kPa (60)kPa
		0.30m 31.42	Firm grey mottled orange slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subrounded, fine to medium of sandstone, mudstone, coal. (Till)		0.80	B2 D2	0.70 0.90		HSV HSV HSV HSV	0.40 0.70 0.70 0.70	(62)kPa (88)kPa (90)kPa (96)kPa
		0.50m 30.92	Firm red mottled orange & grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subrounded, fine to medium of sandstone, mudstone, coal. (Till)		1.30	B3	1.20		HSV HSV HSV	0.90 0.90 0.90	(50)kPa (52)kPa (74)kPa
		0.30m 30.62	Red & light brownish yellow slightly clayey fine to coarse SAND. (Chester Formation)		1.60						
		0.60m 30.02	Orange and reddish brown gravelly fine to coarse SAND with some mica flecks. Gravel is subangular, fine to coarse of sandstone. (Chester Formation)		2.20	B4	1.90				
			Hole Terminated at 2.20m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.30
TP48	**Project Number:** 233398		0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 06/05/2025	Stability: Stable
Ground Level (m AOD): 34.52	**Eastings & Northings:** 360704E 395479N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 34.12	Dark brown slightly clayey fine to coarse SAND with rare fine to medium subrounded gravel of quartz and high rootlet content. (Topsoil)		0.40	D1	0.20				
		0.20m 33.92	Dark reddish brown slightly clayey fine to coarse SAND. (Till)		0.60						
		0.20m 33.72	Red, brown & light brown fine to coarse SAND with cobble sized pockets of soft red brown & mottled grey clay. (Till)		0.80	B1	1.00				
		0.80m 32.92	Light brown & reddish brown thinly bedded fine to medium SAND with some sandstone lithorelicts (Chester Formation)		1.60	B2	1.70				
		0.20m 32.72	Red and brown weak medium to coarse grained, thinly bedded SANDSTONE recovered as sand and gravel.. (Chester Formation) *Damp.*		1.80						
			Hole Terminated at 1.80m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

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LOCATION ID:	**Project Name:** ILP-North		2.30
TP49	**Project Number:** 233398		0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 06/05/2025	Stability: Stable
Ground Level (m AOD): 35.53	**Eastings & Northings:** 360754E 395391N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 35.23 0.20m 35.03	Dark brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is subrounded to rounded, medium of quartz. High rootlet content. (Topsoil)		0.30	D1	0.00	0.30			
			Dark reddish brown slightly clayey fine to coarse SAND. (Till)		0.50	D2	0.30	0.50			
		1.10m	Red and brown slightly gravelly fine to coarse SAND. Gravel is subangular, fine to coarse of sandstone. (Chester Formation)			B1	0.50	1.20			
			Yellow brown band.			B2	1.35	1.60			
		33.93 0.15m 33.78	*Yellow brown band.*		1.60	B3	1.60	1.75			
			Red and brown gravelly fine to coarse SAND with moderate cobble content. Gravel is fine to coarse angular to subangular of fine to coarse grained sandstone. (Chester Formation)		1.75						
			Hole Terminated at 1.75m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.00
TP50	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	06/05/2025	Stability: Stable
Ground Level (m AOD): 36.89	Eastings & Northings:	360757E 395282N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 36.54	Dark brown slightly clayey fine to medium SAND with rare subrounded to rounded gravel and cobble of chert and quartz. (Topsoil)		0.35	D1	0.00	0.30			
		0.20m 36.34	Dark orange and brown slightly clayey fine to coarse SAND. (Chester Formation)		0.55	D1 B1	0.40 0.50	0.50 1.10			
		0.55m 35.79	Light reddish brown and orange slightly gravelly fine to coarse SAND Gravel is subrounded to rounded, fine to medium of quartz. (Till)		1.10	B2	1.10	1.50			
		0.40m 35.39	Yellow/light brown fine to coarse SAND. (WEATHERED SANDSTONE) (Chester Formation)		1.50	B3	1.50	1.75			
		0.25m 35.14	Yellow and light brown very weak to weak thinly bedded SANDSTONE recovered as sandy angular to subangular gravel with moderate cobble content. (Chester Formation)		1.75						
			Hole Terminated at 1.75m bgl.								

Remarks

Reason for Termination:

Required depth reached

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.10
TP51	**Project Number:** 233398		0.63 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 07/05/2025	Stability: Stable
Ground Level (m AOD): 35.83	**Eastings & Northings:** 360595E 395378N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 35.53	Dark brown slightly clayey fine to coarse SAND. (Topsoil)		0.30	D1	0.30				
		0.30m 35.23	Red and brown slightly clayey fine to medium SAND. (Till)		0.60	D2 B1	0.40 0.50				
		0.45m 34.78	Red and brown & light yellow brown slightly clayey fine to coarse SAND with occasional fine to coarse subangular gravel of sandstone. (Chester Formation)		1.05	B2 B3	0.80 1.10				
		0.75m 34.03	Red and brown very weak weathered fine to medium grained thinly bedded SANDSTONE recovered as sand, gravel and cobbles. (Chester Formation) *Becoming increasingly cobbly.* Hole Terminated at 1.80m bgl.		1.80	B4	1.60				

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.00
TP59	Project Number:	233398		0.80 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	23/06/2025	Stability: Stable
Ground Level (m AOD): 30.76	Eastings & Northings:	359806E 395243N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 30.46	Dark brown very clayey fine to coarse SAND with high rootlet content. (Topsoil)		0.30						
		1.20m	Brown gravelly SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)			B1 D1 DNot Given	0.70 1.00 1.00				
		29.26 0.80m	Yellow slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to medium of sandstone. (Chester Formation)		1.50	B2	2.00				
		28.46	Hole Terminated at 2.30m bgl.		2.30						

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.00
TP60	Project Number:	233398		0.60 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	23/06/2025	Stability: Stable
Ground Level (m AOD): 30.21	Eastings & Northings:	359707E 395146N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.50m 29.71	Soft brown very sandy CLAY with high rootlet content. Sand is fine to coarse. (Topsoil)		0.50						
		1.40m	Weathered SANDSTONE recovered as yellow gravelly fine to coarse sand. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)			D1	1.00				
		28.31	Hole Terminated at 1.90m bgl.		1.90	B1 BNot Given	1.80 1.80				

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.50
TP61	Project Number:	233398		0.80 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	23/06/2025	Stability: Stable
Ground Level (m AOD): 31.94	Eastings & Northings:	359600E 395021N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.50m 31.44	Dark brown clayey fine to coarse SAND. (Topsoil)								
		0.90m 30.54	Brown slightly clayey SAND. (Till)		0.50	D1 DNot Given	0.80 0.80				
		0.70m 29.84	Weathered SANDSTONE recovered as reddish brown sandy gravel. Sand is fine to coarse. Gravel is subangular, fine to coarse of sandstone. (Chester Formation)		1.40	B11	1.60				
			Hole Terminated at 2.10m bgl.		2.10						

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.00
TP62	Project Number:	233398		0.70 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	24/06/2025	Stability: Stable
Ground Level (m AOD): 28.93	Eastings & Northings:	359546E 394930N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 28.53	Grass over dark brown clayey fine to coarse SAND with high rootlet content. (Topsoil)			D1	0.20				
		1.40m	Orangish brown slightly gravelly fine to coarse SAND. Gravel is subangular, fine to coarse of sandstone. (Chester Formation)		0.40	B1 BNot Given	1.50 1.50				
		27.13	Hole Terminated at 1.80m bgl.		1.80						

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		3.00
TP63	**Project Number:** 233398		1.00 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 24/06/2025	Stability: Stable
Ground Level (m AOD): 34.36	**Eastings & Northings:** 359494E 394783N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 33.96	Grass over dark brown clayey fine to coarse SAND with high rootlet content. (Topsoil)		0.40						
		1.00m 32.96	Stiff reddish brown sandy CLAY with small lenses of black sand. Sand is fine to coarse. (Till)		1.40	B1 BNot Given D1	0.80 0.80 1.20				
		2.40m 30.56	Brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded, fine to coarse of sandstone. (Chester Formation)		3.80	B2 D2 DNot Given	2.10 3.70 3.70				
			Hole Terminated at 3.80m bgl.								

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.80
TP64	Project Number:	233398		0.80 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	24/06/2025	Stability: Stable
Ground Level (m AOD): 27.97	Eastings & Northings:	359655E 394670N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 27.67	Grass over dark brown clayey fine to coarse SAND with high rootlet content. (Topsoil)		0.30						
		1.60m	Yellow gravelly fine to coarse SAND. Gravel is subangular, fine to coarse of sandstone. (Chester Formation)			B1	1.00				
		26.07 0.20m 25.87	Weathered SANDSTONE recovered as grey and yellow sandy gravel. Sand s fie to coarse. Gravel is subangular, fine to coarse of sandstone. (Chester Formation)		1.90 2.10	D1	2.00				
			Hole Terminated at 2.10m bgl.								

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		3.50
TP65	Project Number:	233398		0.80 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	24/06/2025	Stability: Stable
Ground Level (m AOD): 28.85	Eastings & Northings:	359801E 394567N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.40m 28.45	Black gravelly fine to coarse SAND. Gravel is subangular, fine to coarse of brick, concrete and coal. (Made Ground)		0.40	ES	0.20				
		0.90m	Soft dark brown sandy gravelly CLAY with plastic and wood fragments. Sand is fine to coarse. Gravel is subangular, fine to coarse of brick and concrete. (Made Ground)			ES	0.60				
		27.55 0.80m	Soft orange and light grey very sandy CLAY. Sand is fine to coarse. (Till)		1.30	ES	1.50				
▼		26.75 1.00m	Weathered SANDSTONE recovered as orangish brown gravelly fine to coarse SAND. Gravel is subangular, fine to coarse of sandstone. (Chester Formation)		2.10	B1 BNot Given	2.40 2.40				
		25.75	Hole Terminated at 3.10m bgl.		3.10						

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

Groundwater Strike at 2.80m bgl.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.50
TP67B	**Project Number:** 233398		1.20 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 24/06/2025	Stability: Stable
Ground Level (m AOD): 28.95	**Eastings & Northings:** 360051E 394821N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 28.65	Light grey GRAVEL. Gravel is subangular, coarse of granite. (Made Ground)		0.30						
		1.20m	Dark grey sandy GRAVEL with high cobble content. Sand is fine to coarse. Gravel is subangular, fine to coarse of concrete, coal, mudstone and metal fragments. Cobbles are subangular of concrete, coal and metal fragments. (Made Ground)			ES1 B1	0.50 0.80				
		27.45	Hole Terminated at 1.50m bgl.		1.50						
						B2	2.40				

Remarks

Reason for Termination:

Too hard to dig further.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:**	ILP-North	2.40	
TP68	**Project Number:**	233398	0.63 Pit Dimensions (m)	Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 07/05/2025	Stability: Stable	
Ground Level (m AOD): 34.07		**Eastings & Northings:** 360587E 395495N	Engineer: RH	Checker: RTR

Strata					Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend / Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.30m 33.77	Dark brown slightly clayey fine to coarse SAND with rare fine to medium subangular to subrounded gravel of quartz. low root content. (Topsoil)	0.30	D1	0.20		HSV	0.30	(20)kPa
		0.30m 33.47	Firm light greyish brown slightly silty slightly sandy friable CLAY with some fine subrounded to rounded gravel of quartz. Low root content. (Till)	0.60	B1 D2 B2	0.50 0.60 0.80		HSV HSV	0.30 0.30	(30)kPa (30)kPa
		0.60m 32.87	Light yellowish brown slightly clayey fine to medium SAND with some fine to medium subangular gravel of sandstone. (Till)	1.20	D3	1.20				
		0.05m 32.82		1.25	B3	1.30				
		0.65m 32.17	Soft red, orangish brown & light greyish brown slightly sandy CLAY. Sand is fine to medium. (Chester Formation) *Narrow band unable to bulk sample, observed in west face only.*	1.90						
			Red and orangish brown highly weathered fine to coarse grained SANDSTONE recovered as fine to coarse sand & fine to medium subangular gravel. (Chester Formation) *Gravel becoming fine to coarse with occasional cobbles.* Hole Terminated at 1.90m bgl.							

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		1.80
TP69	Project Number:	233398		0.60 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	23/06/2025	Stability: Stable
Ground Level (m AOD): 31.81	Eastings & Northings:	359785E 395318N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		31.31	Brown slightly clayey fine to coarse SAND. (Topsoil)		0.50	B1	0.20				
		29.81	Orangish brown becoming light brown slightly clayey fine to coarse SAND. (Chester Formation)		2.00	B2	1.00				
		29.71	Weathered SANDSTONE recovered as red sandy gravel. Sand is fine to coarse Gravel is subangular, fine to coarse of sandstone. (Chester Formation)		2.10	D1	1.80				
						DNot Given	1.80				
						B3	2.10				
						BNot Given	2.10				

Hole Terminated at 2.10m bgl.

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.00
TP70	**Project Number:** 233398		6.00 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 23/06/2025	Stability: Stable
Ground Level (m AOD): 31.95	**Eastings & Northings:** 359889E 395299N		Engineer: TF Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.50m 31.45	Dark brown clayey fine to coarse SAND. (Topsoil)			D1	0.10				
		1.60m	Reddish brown becoming light orangish yellow slightly clayey fine to coarse SAND. (Chester Formation)		0.50	B1 BNot Given D2	0.80 0.80 0.80				
		29.85	Hole Terminated at 2.10m bgl.		2.10	B2 D3 DNot Given	1.80 1.80 1.80				

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	Project Name:	ILP-North		2.30
TP71	Project Number:	233398		0.63 Pit Dimensions (m) Orientation: °
	Client:	Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	Start & End Date:	07/05/2025	Stability: Stable
Ground Level (m AOD): 34.11	Eastings & Northings:	360983E 395458N		Engineer: RH Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
			Dark brown clayey fine to medium SAND with occasional fine to medium subrounded gravel & cobble of sandstone, quartz. Some roots. (Topsoil)			ES1	0.20				
		0.50m 33.61				D1	0.30				
			Firm light brown mottled red, orange & grey sandy slightly gravelly CLAY. Gravel is fine to medium subrounded quartz and sandstone. (Till)		0.50	B1	0.50		HSV	0.50	(34)kPa
		0.40m 33.21							HSV	0.50	(60)kPa
						D2	0.80		HSV	0.50	(88)kPa
			Red brown & orange brown slightly clayey fine to coarse SAND with occasional fine to medium gravel sized pockets of soft red clay. (Till)		0.90						
		0.70m 32.51				B2	1.20				
		0.30m 32.21	Red/orange fine to coarse SAND and fine to medium subangular GRAVEL of medium grained sandstone. (Chester Formation)		1.60	B3	1.80				
		0.20m 32.01	Red with occasional orange bands fine to coarse grained WEATHERED SANDSTONE recovered as red gravelly sand with cobbles. (Chester Formation)		1.90						
			Hole Terminated at 2.10m bgl.		2.10						

Remarks

Reason for Termination:

Required depth reached.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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TRIAL PIT LOG

Scale: 1:50 Sheet 1 of 1

LOCATION ID:	**Project Name:** ILP-North		2.00
TP72	**Project Number:** 233398		0.70 Pit Dimensions (m) Orientation: °
	Client: Intermodal Logistics Park North Ltd		
	Plant: JCB 3CX	**Start & End Date:** 30/04/2025	Stability: Stable
Ground Level (m AOD): 33.17	**Eastings & Northings:** 362004E 395678N		Engineer: DZ Checker: RTR

Strata						Samples			In-Situ Tests		
Groundwater Strike	Backfill	Level (m AOD)	Description	Legend	Depth (m bgl)	Type	From (m)	To (m)	Type	Depth (m)	Result
		0.35m 32.82	Dark brown silty slightly gravelly fine SAND with rootlets. Gravel is sub-rounded to rounded fine and medium quartzite. (Topsoil)		0.35	D1	0.10	0.20			
		0.25m 32.57	Firm light brown and light grey CLAY. (Lacustrine Deposits)		0.60				HSV HSV	0.70 0.70	(60)kPa (60)kPa
		1.60m	Firm mottled brown grey slightly gravelly sandy silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. Sand is fine to coarse. (Till)			B1	1.00	1.20	HSV	0.70	(65)kPa
		30.97 0.80m	Brown orange silty medium SAND. (Till)		2.20	B2	2.80	2.90			
		30.17 0.50m	Firm brown grey slightly gravelly silty CLAY. Gravel is sub-angular and sub-rounded fine and medium sandstone, quartzite and shale. (Till)		3.00	D2	3.10	3.20	HSV HSV HSV	3.10 3.10 3.10	(55)kPa (60)kPa (60)kPa
		29.67	Hole Terminated at 3.50m bgl.		3.50						

Remarks

Reason for Termination:

Terminated at agreed depth.

Groundwater Notes:

No groundwater encountered.

Other Remarks:

Location cleared of buried services. Backfilled with arisings upon completion. No olfactory or visual evidence of contamination encountered.

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LOG REMARKS	LOCATION	MADE GROUND	MADE GROUND2	MADE GROUNDTHICI
	DS01			
	DS02			
	DS03			
	DS04			
	DS05			
	DS06	0	0.6	0.6
	DS07			
	DS08			
	DS09	0	0.2	0.2
	DS10			
	DS11			
	DS12	0	0.45	0.45
	DS13			
	DS14	1.9	2	0.1
	DS15			
	DS16			
	DS17			
	DS18			
	DS19			
	DS20			
	DS21			
	DS22			
	DS26			
DATE MISSING	DS27	0	0.35	0.35
NO SPTs?	DS29			
	DS30			
	DS31			
	DS32			
	DS33			
	DS34			
	DS35			
NO TERMINATION D	DS36			
	DS37			
	DS38			
	DS39			
	DS40			
	DS41			
	RO01			
	RO02			
DATE MISSING	RO03			
LEGEND ON LAST S	RO04			
	RO05			
MISSING INSTALLA	RO06			
TERMINATION IS LI	RO07			
DATE MISSING	RO08			
	SA01			
WEATHERED BEDR	SA02			

	SA02A			
	SA03			
NOTE SUBSOIL IN T	SA04			
	SA05			
NOTE SUBSOIL IN T	SA06			
	TP01			
TP02 same style as	TP02	0	0.3	0.3
	TP03			
	TP04			
	TP05			
	TP06			
	TP07			
	TP08			
	TP09			
	TP10			
	TP11			
	TP12			
	TP13			
	TP14			
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	TP35			
	TP36			
	TP37			
	TP38			
	TP39			
	TP40			
	TP41			
	TP42			
	TP43			

	TP44			
	TP45			
	TP46			
	TP47			
	TP47A			
	TP48			
	TP49			
NOTE SUBSOIL IN T	TP50			
	TP51			
	TP59			
	TP60			
	TP61			
	TP62			
	TP63			
	TP64			
	TP65	0	1.3	1.3
	TP67B	0	1.5	1.5
	TP68			
	TP69			
	TP70			
	TP71			
	TP72			
	MIN	0.00	0.20	0.10
	MAX	1.90	2.00	1.50

TOPSOIL	TOPSOIL3	TOPSOILTHIC	SUBSOIL	SUBSOIL2	SUBSOILTHIC	REWORKED
0	0.4	0.4				
0	0.25	0.25				
0	0.4	0.4				
0	0.4	0.4				
0	0.2	0.2				
0	0.25	0.25				
0	0.2	0.2				
0	0.3	0.3				
0	0.7	0.7				
0	0.2	0.2				
0	0.3	0.3				0.3
0	0.4	0.4				
0	0.1	0.1				
0	0.4	0.4				
0	0.4	0.4				
0	0.4	0.4				
0	0.5	0.5				
0	0.4	0.4				
0	0.4	0.4				
0	0.3	0.3				
0	0.2	0.2				
0	0.3	0.3				
0	0.8	0.8				
0	0.4	0.4				
0	0.25	0.25				
0	0.6	0.6				
0	0.35	0.35				
0	0.4	0.4				
0	0.25	0.25				
0	0.3	0.3				
0	0.4	0.4				
0	0.4	0.4				
0	0.4	0.4				
0	1	1				
0	0.5	0.5				
0	0.4	0.4				
0	0.5	0.5				
0	0.5	0.5				
0	0.3	0.3				
0	0.5	0.5				
0	0.4	0.4				
0	0.35	0.35				
0	0.33	0.33				

0	0.9	0.9				
0	0.25	0.25				
0	0.4	0.4	0.4	0.65	0.25	
0	0.3	0.3				
0	0.3	0.3	0.3	0.5	0.2	
0	0.4	0.4				
						0.3
0	0.35	0.35				
0	0.6	0.6				
0	0.3	0.3				
0	0.35	0.35				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.4	0.4				
0	0.4	0.4				
0	0.35	0.35				
0	0.3	0.3				
0	0.3	0.3				
0	0.35	0.35				
0	0.35	0.35				
0	0.35	0.35				
0	0.3	0.3				
0	0.4	0.4				
0	0.35	0.35				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.35	0.35				
0	0.3	0.3				
0	0.35	0.35				
0	0.3	0.3				
0	0.3	0.3				
0	0.7	0.7				
0	0.3	0.3				
0	0.4	0.4				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.3	0.3				
0	0.35	0.35				
0	0.3	0.3				
0	0.27	0.27				
0	0.3	0.3				

0	0.3	0.3				
0	0.33	0.33				
0	0.5	0.5				
0	0.2	0.2				
0	0.3	0.3				
0	0.4	0.4				
0	0.3	0.3				
0	0.35	0.35	0.35	0.55	0.2	
0	0.3	0.3				
0	0.3	0.3				
0	0.5	0.5				
0	0.5	0.5				
0	0.4	0.4				
0	0.4	0.4				
0	0.3	0.3				
0	0.3	0.3				
0	0.5	0.5				
0	0.5	0.5				
0	0.5	0.5				
0	0.35	0.35				

0.00	0.10	0.10	0.30	0.50	0.20	0.30
0.00	1.00	1.00	0.40	0.65	0.25	0.30

REWORKED4	REWORKEDTHICI	PEAT	PEAT5	PEATTHICI	Glaciofluvial	Glaciofluvial6
	1.9	1.6				

	1.6		1.3				1.6	2.7
				0.6	2.9	2.3		
				0.3	1.1	0.8		

1.60	1.30	0.30	1.10	0.80	1.60	2.70
1.90	1.60	0.60	2.90	2.30	1.60	2.70

LACUSTRINE DEPOSITS	LACUSTRINE DEPOSITS7	TILL	TILL8	TILLTHICK	BEDROCK
		0.4	3.6	3.2	3.6
		0.25	3.6	3.35	3.6
		0.4	5	4.6	
		0.4	3.9	3.5	3.9
		0.2	4	3.8	4
		0.6	3.4	2.8	3.4
		0.25	2	1.75	2
		0.2	4	3.8	4
		0.2	4	3.8	4
		0.3	2.9	2.6	2.9
					0.7
					0.45
					0.2
		0.4	0.9	0.5	0.9
		0.1	1.5	1.4	1.5
					0.4
		0.4	0.9	0.5	0.9
					0.4
		0.5	0.9	0.4	0.9
		0.4	0.7	0.3	0.7
		0.4	0.6	0.2	0.6
					0.3
		0.35	1.4	1.05	1.4
		0.2	0.9	0.7	0.9
		0.3	1.45	1.15	1.45
		0.8	1.3	0.5	1.3
		0.4	1.6	1.2	1.6
		0.25	1.9	1.65	1.9
					0.6
					0.35
					0.4
		0.25	0.5	0.25	0.5
		0.3	1.5	1.2	1.5
					0.4
					0.4
		0.4	2.5	2.1	2.5
		1	9	8	
		0.5	6.7	6.2	6.7
					0.4
		0.5	1.95	1.45	1.95
					0.5
		0.3	1	0.7	1
					0.5
					0.4
		0.35	2.1	1.75	
		0.33	1	0.67	

0.9	1.2	0.3	1.2
0.25	0.4	0.15	0.4
			0.65
0.3	1.25	0.95	1.25
			0.5
0.4	1.2	0.8	1.2
0.35	2.1	1.75	2.1
2.9	3.1	0.2	3.1
0.3	2.9	2.6	2.9
0.35	3.6	3.25	
0.3	3.6	3.3	
0.3	2.4	2.1	2.4
0.3	1.2	0.9	1.2
0.4	3.5	3.1	
0.4	2.1	1.7	2.1
0.35	2.2	1.85	2.2
0.3	1.7	1.4	1.7
1.1	3	1.9	3
0.35	3.3	2.95	
			0.35
			0.35
			0.3
			0.4
0.35	1.6	1.25	1.6
0.3	1.1	0.8	1.1
			0.3
0.3	1.5	1.2	1.5
0.35	1.9	1.55	1.9
			0.3
0.35	0.9	0.55	0.9
			0.3
			0.3
			0.7
0.3	1.1	0.8	1.1
0.4	2.2	1.8	2.2
0.3	1.1	0.8	1.1
0.3	0.8	0.5	0.8
0.3	1.7	1.4	1.7
0.3	0.6	0.3	0.6
0.3	1.3	1	1.3
			0.3
			0.3
			0.3
0.35	0.94	0.59	0.94
0.3	1.7	1.4	1.7
0.27	1.2	0.93	1.2
0.3	0.7	0.4	0.7

		0.3	1.4	1.1	1.4
		0.33	0.57	0.24	0.57
		0.5	2.2	1.7	2.2
		0.2	1.1	0.9	1.1
		0.3	1.3	1	1.3
		0.4	0.8	0.4	0.8
		0.3	0.5	0.2	0.5
		0.55	1.1	0.55	1.1
		0.3	0.6	0.3	0.6
					0.3
					0.5
		0.5	1.4	0.9	1.4
					0.4
		0.4	1.4	1	1.4
					0.3
		1.3	2.1	0.8	2.1
		0.3	1.2	0.9	1.2
					0.5
					0.5
		0.5	1.6	1.1	1.6
0.35	0.6	0.6	3.5	2.9	
0.35	0.60	0.10	0.40	0.15	0.20
0.35	0.60	2.90	9.00	8.00	6.70

BEDROCK9	BEDROCKTHIC	MAX DEPT
5	1.4	5
5	1.4	5
		5
4	0.1	4
5	1	5
5	1.6	5
2.5	0.5	2.5
5	1	5
4.45	0.45	4.45
3.2	0.3	3.2
1.5	0.8	1.5
2.3	1.85	2.3
2.2	2	2.2
		2
1.5	0.6	1.5
2	0.5	2
2	1.6	2
1.5	0.6	1.5
2	1.6	2
2	1.1	2
2	1.3	2
1.5	0.9	1.5
1.7	1.4	1.7
1.9	0.5	1.9
2	1.1	2
2	0.55	2
2	0.7	2
2	0.4	2
2	0.1	2
1.5	0.9	1.5
2	1.65	2
1	0.6	1
2	1.5	2
2	0.5	2
2	1.6	2
1	0.6	1
3	0.5	3
		9
30	23.3	30
30	29.6	30
24	22.05	24
24	23.5	24
20	19	20
17.5	17	17.5
24	23.6	24
		2.1
		1

2.1	0.9	2.1
1.75	1.35	1.75
1.73	1.08	1.73
1.98	0.73	1.98
2.1	1.6	2.1
3.4	2.2	3.4
		2.7
3.7	1.6	3.7
3.7	0.6	3.7
3.5	0.6	3.5
		3.6
		3.6
3.4	1	3.4
3.2	2	3.2
		3.5
3.5	1.4	3.5
3.4	1.2	3.4
3.3	1.6	3.3
3.5	0.5	3.5
		3.3
1.3	0.95	1.3
2.1	1.75	2.1
2	1.7	2
2.1	1.7	2.1
2.7	1.1	2.7
2.5	1.4	2.5
2.9	2.6	2.9
2.5	1	2.5
2.4	0.5	2.4
1.7	1.4	1.7
2.8	1.9	2.8
2.2	1.9	2.2
2.3	2	2.3
3.6	2.9	3.6
1.9	0.8	1.9
2.6	0.4	2.6
2.2	1.1	2.2
2.1	1.3	2.1
2.1	0.4	2.1
1.9	1.3	1.9
2.2	0.9	2.2
2.1	1.8	2.1
1.9	1.6	1.9
1.7	1.4	1.7
1.5	0.56	1.5
2.2	0.5	2.2
1.96	0.76	1.96
2.45	1.75	2.45

1.9	0.5	1.9
2.4	1.83	2.4
2.65	0.45	2.65
2.2	1.1	2.2
2.2	0.9	2.2
1.8	1	1.8
1.75	1.25	1.75
1.75	0.65	1.75
1.8	1.2	1.8
2.3	2	2.3
1.9	1.4	1.9
2.1	0.7	2.1
1.8	1.4	1.8
3.8	2.4	3.8
2.1	1.8	2.1
3.1	1	3.1
		1.5
1.9	0.7	1.9
2.1	1.6	2.1
2.1	1.6	2.1
2.1	0.5	2.1
		3.5

1.00	0.10
30.00	29.60

Appendix 5: SPT Calibration Certificate

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

Dynamic Sampling Uk Ltd
Unit 8 Victory Park
Victory Road
Derby
DE248ZF

SPT Hammer Ref:	110 RP
Test Date:	06/09/2024
Report Date:	06/09/2024
File Name:	110 RP.spt
Test Operator:	B.HUNTER

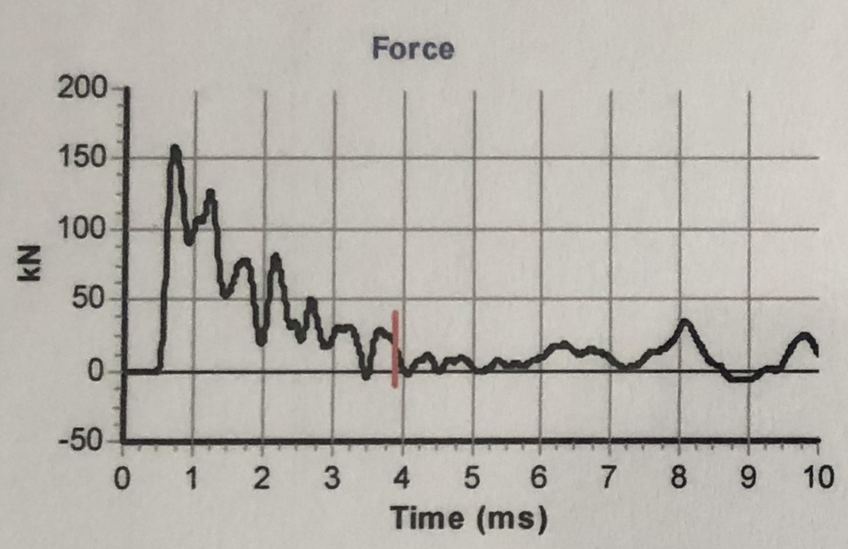
Instrumented Rod Data

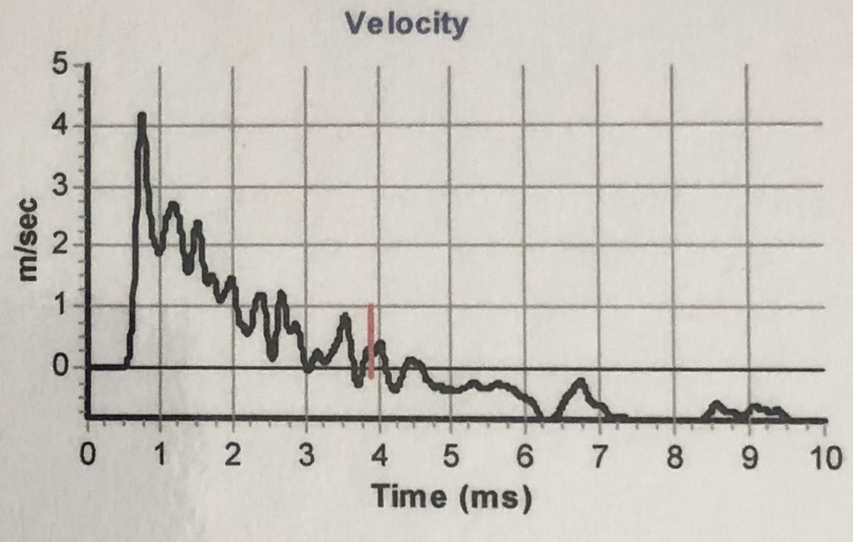
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.6
Assumed Modulus E_a (GPa):	208
Accelerometer No.1:	62901
Accelerometer No.2:	69902

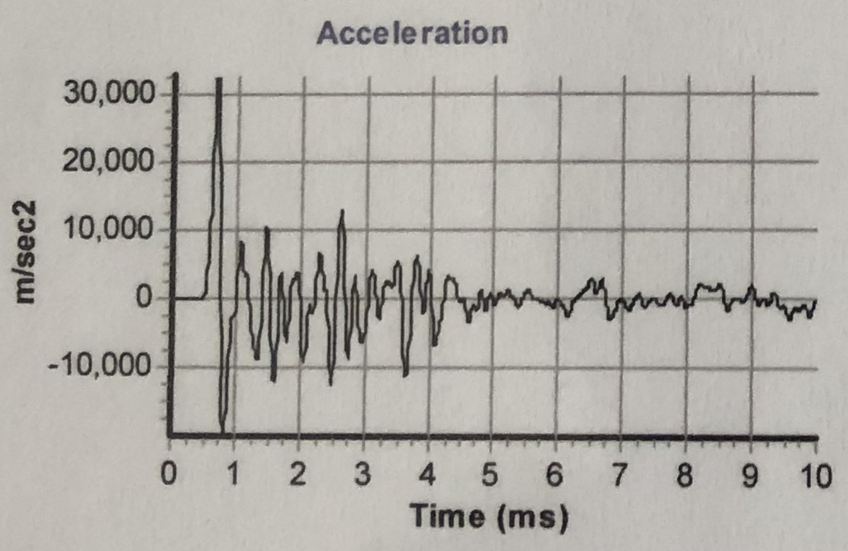
SPT Hammer Information

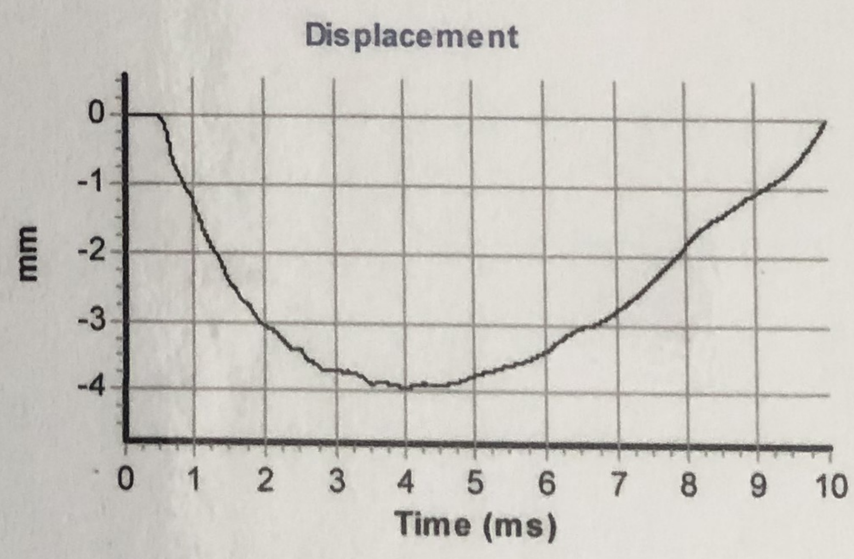
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	10.0

Comments / Location









Calculations

Area of Rod A (mm2):	983
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	339
Energy Ratio E_r (%):	**72**

Signed: B Hunter

Title: Operations Manager

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Appendix 6 : Gas and Groundwater Monitoring Records

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		21 May 2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	2.2	2.2
Wind Direction (from)	W	N
Temperature (°C)	16	16
Barometric Pressure (h Pa / mB)	1014	1014
App 12 Hour Pressure (h Pa / mB)	1020-1015	
12 Hour Pressure Trend	Falling	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01		0.0	0.0	0.0	0.0	0.3	0.3	20.3	20.3	0.0	0.0	0.0	2.40	2.70		32.08	
DS02		0.0	0.0	0.0	0.0	0.8	0.8	20.5	20.5	0.0	0.0	0.0	2.20	3.31		29.63	
DS03		0.0	0.0	0.0	0.0	1.5	1.5	16.9	16.9	0.0	0.0	0.0	Dry	4.96			
DS04		0.0	0.0	0.1	0.1	0.9	0.9	20.1	20.1	0.0	0.0	0.0	Dry	4.00			
DS05																	
DS06																	
DS07																	
DS08		0.0	0.0	0.0	0.0	0.0	0.0	17.8	17.8	0.0	57.0	0.0	1.55	3.64		28.01	
DS09		0.0	0.0	0.0	0.0	3.2	3.2	16.8	16.8	0.0	10.0	0.0	Dry	3.90			
DS10																	
DS11		0.0	0.0	0.0	0.0	4.6	4.6	17.4	17.4	0.0	0.0	8.0	Dry	1.40			
DS12																	
DS13		0.0	0.0	0.0	0.0	1.9	1.9	19.7	19.7	0.0	0.0	0.0	Dry	1.80			
DS14																	
DS15																	
DS16																	
DS17		0.0	0.0	0.0	0.0	4.3	4.3	18.5	18.5	0.0	0.0	0.0	Dry	2.00			
DS18		0.0	0.0	0.0	0.0	1.3	1.3	19.5	19.5	0.0	0.0	0.0	Dry	1.20			
DS19																	
DS20		0.0	0.0	0.0	0.0	1.9	1.9	19.1	19.1	0.0	0.0	0.0	Dry	1.82			
DS21																	
DS22		0.0	0.0	0.0	0.0	0.1	0.0	20.5	20.5	0.0	0.0	0.0	Dry	1.50			
DS23																	
DS24																	
DS25																	
DS26																	
DS27																	
DS28																	
DS29																	
DS30																	
DS31																	
DS32																	
DS33																	
DS34																	
DS35																	
DS36																	
DS37																	
DS38																	
DS39																	
DS40																	
DS41																	

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	22/05/2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.3	3.3
Wind Direction (from)	NE	N
Temperature (°C)	14.0	14.0
Barometric Pressure (h Pa / mB)	1034.0	1034.0
App 12 Hour Pressure (h Pa / mB)	1014-1018	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01																	
DS02																	
DS03																	
DS04																	
DS05																	
DS06																	
DS07		0.0	0.0	0.0	0.0	2.3	2.3	18.7	18.7	0	0	0.0	1.99	2.00		27.07	
DS08																	
DS09																	
DS10																	
DS11		0.0	0.0	0.0	0.0	0.6	0.6	20.6	20.6	0	0	0.0	Dry	1.66			
DS12																	
DS13																	
DS14																	
DS15																	
DS16																	
DS17																	
DS18																	
DS19																	
DS20		0.0	0.0	0.0	0.0	4.1	4.1	16.0	16.0	0	0	0.0	Dry	1.75			
DS21																	
DS22																	
DS23																	
DS24																	
DS25																	
DS26		0.0	0.0	0.0	0.0	1.5	1.5	19.7	19.7	0	0	0.0	Dry	1.50			
DS27		0.0	0.0	0.0	0.0	3.1	3.1	17.5	17.5	0	0	0.0	Dry	1.76			
DS28																	
DS29																	
DS30		0.0	0.0	0.0	0.0	4.1	4.1	16.6	16.6	0	0	0.2	Dry	2.05			
DS31		0.0	0.0	0.0	0.0	3.6	3.6	17.8	17.8	0	0	0.0	Dry	1.90			
DS32		0.0	0.0	0.0	0.0	2.2	2.2	18.3	18.3	0	0	0.0	Dry	1.98			
DS33		0.0	0.0	0.0	0.0	3.0	3.0	15.2	15.2	0	0	0.1	Dry	1.90			
DS34		0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0	0	0	0.0	Dry	1.35			
DS35		0.0	0.0	0.0	0.0	0.2	0.2	19.5	19.5	0	0	0.6	1.90	1.94		31.37	
DS36		0.0	0.0	0.0	0.0	2.3	2.3	19.0	19.0	0	0	0.1	Dry	1.40			
DS37		0.0	0.0	0.0	0.0	1.1	1.1	20.1	20.1	0	0	0.0	Dry	1.60			
DS38		0.0	0.0	0.0	0.0	0.5	0.5	20.2	20.2	0	0	0.0	Dry	1.45			
DS39																	
DS40																	
DS41																	

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	28/05/2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

BWB
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Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.0	3.0
Wind Direction (from)	W	W
Temperature (°C)	17.0	19.0
Barometric Pressure (h Pa / mB)	1015.0	1015.0
App 12 Hour Pressure (h Pa / mB)	1008-1013	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01																	
DS02																	
DS03																	
DS04																	
DS05																	
DS06																	
DS07																	
DS08																	
DS09																	
DS10																	
DS11																	
DS12																	
DS13		0.0	0.0	0.0	0.0	1.7	1.7	18.7	18.7	0	0	0.0	Dry	1.30			
DS14		0.0	0.0	0.0	0.0	0.8	0.8	19.2	19.2	0	0	0.0	Dry	1.67			
DS15																	
DS16		0.0	0.0	0.0	0.0	0.7	0.7	19.7	19.7	0	0	0.0	Dry	1.70			
DS17																	
DS18																	
DS19																	
DS20																	
DS21																	
DS22																	
DS23																	
DS24																	
DS25																	
DS26																	
DS27																	
DS28																	
DS29																	
DS30																	
DS31																	
DS32																	
DS33																	
DS34																	
DS35																	
DS36																	
DS37																	
DS38																	
DS39																	
DS40																	
DS41																	

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	13/06/2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

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Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.3	3.3
Wind Direction (from)	SW	SW
Temperature (°C)	23.0	23.0
Barometric Pressure (h Pa / mB)	1018.0	1018.0
App 12 Hour Pressure (h Pa / mB)	1012-1015	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01																	
DS02																	
DS03																	
DS04																	
DS05																	
DS06																	
DS07		0.0	0.0	0.0	0.0	3.8	3.8	16.9	16.9	0	0	0.0	Dry	2.00			
DS08		0.0	0.0	0.0	0.0	0.0	0.0	20.4	20.4	0	0	0.2	1.70	3.66		27.86	
DS09																	
DS10																	
DS11																	
DS12																	
DS13																	
DS14																	
DS15																	
DS16																	
DS17		0.0	0.0	0.0	0.0	4.2	4.2	17.4	17.4	0	0	0.0	Dry	1.95			
DS18																	
DS19		0.0	0.0	0.0	0.0	1.2	1.2	19.0	19.0	0	0	0.0	Dry	1.60			
DS20		0.0	0.0	0.0	0.0	3.3	3.3	17.9	17.9	0	0	0.0	Dry	1.75			
DS21																	
DS22		0.0	0.0	0.0	0.0	2.2	2.2	18.2	18.2	0	0	0.0	Dry	1.35			MOVED FROM DS24 AS NOT DRILLED AND RESPONSE ZONE DEPTH M
DS23																	
DS24																	
DS25																	
DS26		0.0	0.0	0.0	0.0	1.6	1.6	19.1	19.1	0	0	0.0	Dry	1.90			
DS27		0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0	0	0	0.0	Dry	1.70			
DS28																	
DS29																	
DS30																	
DS31																	
DS32		0.0	0.0	0.0	0.0	2.7	2.7	17.8	17.8	0	0	0.0	Dry	2.00			
DS33		0.0	0.0	0.0	0.0	3.3	3.3	14.6	14.6	0	0	0.0	Dry	1.96			
DS34																	
DS35																	
DS36																	
DS37		0.0	0.0	0.0	0.0	1.9	1.9	18.7	18.7	0	0	0.0	Dry	1.60			
DS38																	
DS39																	
DS40																	
DS41																	

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	16/06/2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

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Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	2.5	2.5
Wind Direction (from)	S	S
Temperature (°C)	23.0	23.0
Barometric Pressure (h Pa / mB)	1024.0	1026.0
App 12 Hour Pressure (h Pa / mB)	1021-1025	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01		0.0	0.0	0.0	0.0	0.7	0.7	19.2	19.2	0	0	0.0	2.40	2.76		32.08	
DS02																	
DS03		0.0	0.0	0.0	0.0	2.1	2.1	19.3	19.3	0	0	0.0	Dry	4.80			
DS04																	
DS05																	
DS06																	
DS07																	
DS08																	
DS09		0.0	0.0	0.0	0.0	0.6	0.6	20.2	20.2	0	0	0.0	Dry	3.80			
DS10		0.0	0.0	0.0	0.0	2.9	2.9	17.9	17.9	0	0						
DS11		0.0	0.0	0.0	0.0	3.2	3.2	17.6	17.6	0	0	0.0	Dry	1.40			
DS12																	
DS13																	
DS14		0.0	0.0	0.0	0.0	0.7	0.7	19.3	19.3	0	0	0.0	Dry	1.70			
DS15		0.0	0.0	0.0	0.0	3.6	3.6	17.6	17.6	0	0	0.0	Dry	1.30			
DS16		0.0	0.0	0.0	0.0	1.2	1.2	19.6	19.6	0	0	0.0	Dry	1.70			
DS17																	
DS18																	
DS19																	
DS20																	
DS21																	
DS22																	
DS23																	
DS24																	
DS25																	
DS26																	
DS27																	
DS28																	
DS29																	
DS30																	
DS31																	
DS32																	
DS33																	
DS34																	
DS35																	
DS36																	
DS37																	
DS38																	
DS39																	
DS40																	
DS41																	

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	02/07/2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

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Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	4.4	4.4
Wind Direction (from)	W	W
Temperature (°C)	16.0	20.0
Barometric Pressure (h Pa / mB)	1020.0	1020.0
App 12 Hour Pressure (h Pa / mB)	1016-1018	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01																	
DS02																	
DS03																	
DS04																	
DS05																	
DS06																	
DS07																	
DS08																	
DS09																	
DS10																	
DS11																	
DS12																	
DS13																	
DS14		0.0	0.0	0.0	0.0	1.9	1.9	15.3	15.3	0	0	0.0	Dry	1.70			
DS15		0.0	0.0	0.0	0.0	2.0	2.0	19.6	19.6	0	0	0.0	Dry	1.30			
DS16		0.0	0.0	0.0	0.0	0.9	0.9	20.9	20.9	0	0	0.0	Dry				
DS17																	
DS18																	
DS19		0.0	0.0	0.0	0.0	1.0	1.0	20.1	20.1	0	0	0.0	Dry	1.65			
DS20		0.0	0.0	0.0	0.0	3.5	3.5	18.7	18.7	0	0	0.0	Dry	1.75			
DS21																	
DS22		0.0	0.0	0.0	0.0	0.2	0.2	20.8	20.8	0	0	0.0	Dry	1.40			
DS23																	
DS24																	
DS25																	
DS26		0.0	0.0	0.0	0.0	1.7	1.7	19.6	19.6	0	0	0.0	Dry	1.50			
DS27																	
DS28																	
DS29																	
DS30																	
DS31																	
DS32																	
DS33																	
DS34		0.0	0.0	0.0	0.0	1.5	1.5	19.7	19.7	0	0	0.0	Dry	1.35			
DS35																	
DS36																	
DS37		0.0	0.0	0.0	0.0	2.3	2.3	19.3	19.3	0	0	0.0	Dry	1.60			
DS38																	
DS39		0.0	0.0	0.0	0.0	2.2	2.2	18.8	18.8	0	0	0.0	Dry	1.76			
DS40		0.0	0.0	0.0	0.0	5.0	5.0	15.7	15.7	0	0	0.0	Dry	1.00			
DS41		0.0	0.0	0.0	0.0	2.6	2.6	15.6	15.6	0	0	0.0	Dry	3.00			

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	03/07/2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

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Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.3	3.3
Wind Direction (from)	SW	SW
Temperature (°C)	18.0	27.0
Barometric Pressure (h Pa / mB)	1044.0	1044.0
App 12 Hour Pressure (h Pa / mB)	1020-1028	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01																	
DS02																	
DS03		0.0	0.0	0.0	0.0	0.9	0.9	20.3	20.3	0	0	0.0	Dry	4.50			
DS04																	
DS05		0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	0	0	0.0	Dry	3.90			
DS06																	
DS07		0.0	0.0	0.0	0.0	2.6	2.6	18.3	18.3	0	0	0.0	Dry	2.00			
DS08		0.0	0.0	0.0	0.0	0.0	0.0	21.0	21.0	0	0	0.0	1.75	3.60		27.81	
DS09		0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	0	0	0.0	Dry				
DS10																	
DS11		0.0	0.0	0.0	0.0	0.7	0.7	20.3	20.3	0	0	0.0	Dry	1.45			
DS12		0.0	0.0	0.0	0.0	3.8	3.8	18.8	18.8	0	0	0.0	Dry	1.90			
DS13		0.0	0.0	0.0	0.0	1.6	1.6	20.3	20.3	0	0	0.0	Dry	1.85			
DS14																	
DS15																	
DS16																	
DS17																	
DS18																	
DS19																	
DS20																	
DS21																	
DS22																	
DS23																	
DS24																	
DS25																	
DS26																	
DS27																	
DS28																	
DS29																	
DS30																	
DS31																	
DS32																	
DS33																	
DS34																	
DS35																	
DS36																	
DS37																	
DS38																	
DS39																	
DS40																	
DS41																	

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	08/09/2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

BWB
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Weather Conditions	Start	End
(Dry / Raining)	Dry	dry
Wind Strength (m/s)	0.9	0.9
Wind Direction (from)	SW	SW
Temperature (°C)	15.0	15.0
Barometric Pressure (h Pa / mB)	1009.0	1009.0
App 12 Hour Pressure (h Pa / mB)	1009.0	
12 Hour Pressure Trend	Steady	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01		0.0	0.0	0.0	0.0	0.5	0.5	20.7	20.7	0	0	0.0	2.69	2.70		31.79	
DS02																	
DS03		0.0	0.0	0.0	0.0	0.8	0.8	20.0	20.0	0	0	0.0	DRY	4.90			
DS04																	
DS05																	
DS06		0.0	0.0	0.0	0.0	4.5	4.5	17.2	17.2	0	0	0.0	1.98	3.02		34.23	
DS07		0.0	0.0	0.0	0.0	1.3	1.3	19.4	19.4	0	0	0.0	DRY	2.00			
DS08		0.0	0.0	0.0	0.0	0.7	0.7	20.3	20.3	0	0	0.0	1.85	3.60		27.71	
DS09		0.0	0.0	0.0	0.0	0.1	0.1	20.4	20.4	0	0	0.0	DRY	3.90			
DS10																	
DS11																	
DS12		0.0	0.0	0.0	0.0	1.3	1.3	19.7	19.7	0	0	0.0	DRY	1.90			
DS13		0.2	0.2	0.0	0.0	0.7	0.7	20.3	20.3	0	0	0.0	DRY	1.82			
DS14		0.0	0.0	0.0	0.0	0.7	0.7	20.3	20.3	0	0	0.0	DRY	1.66			
DS15																	
DS16		0.0	0.0	0.0	0.0	0.5	0.5	20.5	20.5	0	0	0.0	DRY	1.60			
DS17		0.0	0.0	0.0	0.0	0.7	0.7	20.0	20.0	0	0	0.0	DRY	1.95			
DS18																	
DS19		0.0	0.0	0.0	0.0	0.5	0.5	20.3	20.3	0	0	0.0	DRY	1.65			
DS20																	
DS21																	
DS22																	
DS23																	
DS24																	
DS25																	
DS26		0.0	0.0	0.0	0.0	0.8	0.8	20.1	20.1	0	0	0.0	DRY	1.50			
DS27		0.0	0.0	0.0	0.0	0.3	0.3	20.4	20.4	0	0	0.0	DRY	1.67			
DS28																	
DS29																	
DS30																	
DS31																	
DS32		0.0	0.0	0.0	0.0	1.0	1.0	20.7	20.7	0	0	0.0	DRY	2.00			
DS33		0.0	0.0	0.0	0.0	1.7	1.7	19.1	19.1	0	0	0.0	DRY	1.90			
DS34																	
DS35																	
DS36		0.0	0.0	0.0	0.0	0.1	0.1	20.6	20.6	0	0	0.0	DRY	1.40			
DS37		0.0	0.0	0.0	0.0	0.9	0.9	20.0	20.0	0	0	0.0	DRY	1.60			
DS38		0.0	0.0	0.0	0.0	0.2	0.2	19.7	19.7	0	0	0.0	DRY	1.45			
DS39		0.0	0.0	0.0	0.0	0.2	0.2	20.6	20.6	0	0	0.0	DRY	1.78			
DS40		0.0	0.0	0.0	0.0	0.3	0.3	20.3	20.3	0	0	0.0	DRY	0.90			
DS41		0.4	0.4	0.0	0.0	0.7	0.7	20.2	20.2	0	0	0.0	DRY	3.00			

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	22 September 2025
Start / End Time:	09:00-16:30
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**80238**
PID ID	**80153**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

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Weather Conditions	Start	End
(Dry / Raining)	Dry	Raining
Wind Strength (m/s)	0.3	0.3
Wind Direction (from)	W	W
Temperature (°C)	14.0	14.0
Barometric Pressure (h Pa / mB)	1022.0	1022.0
App 12 Hour Pressure (h Pa / mB)	1015.0	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01																	
DS02		0.0	0.0	0.0	0.0	0.0	0.0	20.6	20.6	0	0	0.0	0.30	2.75		31.53	Damaged by plowing
DS03		-12.7	-12.0	0.0	0.0	7.0	0.8	13.5	18.6	0	0	0.0	DRY	4.85			
DS04																	
DS05																	
DS06																	
DS07		0.0	0.0	0.0	0.0	0.0	0.0	20.6	20.6	0	0	0.0	DRY	1.90			
DS08		0.0	-0.3	0.0	0.0	1.9	1.9	19.6	19.6	0	0	0.0	0.90	3.40		28.66	
DS09		0.0	-4.6	0.0	0.0	0.1	0.1	20.6	20.6	0	0	0.0	DRY	3.90			
DS10																	
DS11																	
DS12		0.0	0.0	0.0	0.0	1.3	1.3	19.2	19.2	0	0	0.0	DRY	1.82			
DS13		0.0	0.0	0.0	0.0	0.6	0.6	19.9	19.9	0	0	0.0	DRY	1.81			
DS14		0.0	0.0	0.0	0.0	0.7	0.7	18.7	18.7	0	0	0.0	DRY	1.64			
DS15																	
DS16		0.0	0.0	0.0	0.0	0.5	0.5	17.4	17.4	0	0	0.0	DRY	1.63			
DS17		0.0	0.0	0.0	0.0	0.9	0.9	19.6	19.6	0	0	0.0	DRY	1.96			
DS18																	
DS19		0.0	0.0	0.0	0.0	0.7	0.7	19.6	19.6	0	0	0.0	DRY	1.80			
DS20																	
DS21																	
DS22																	
DS23																	
DS24																	
DS25																	
DS26		0.0	0.0	0.0	0.0	1.1	1.1	19.0	19.0	0	0	0.0	DRY	1.50			
DS27		0.0	0.0	0.0	0.0	0.4	0.4	20.4	20.4	0	0	0.0	DRY	1.65			
DS28																	
DS29																	
DS30																	
DS31																	
DS32																	
DS33																	
DS34																	
DS35																	
DS36		0.0	0.0	0.0	0.0	0.1	0.1	20.5	20.5	0	0	0.0	DRY	1.42			
DS37		0.0	0.0	0.0	0.0	1.0	1.0	19.1	19.1	0	0	0.0	DRY	1.60			
DS38																	
DS39		0.0	0.0	0.0	0.0	0.2	0.2	20.6	20.6	0	0	0.0	DRY	1.78			
DS40		0.0	0.0	0.0	0.0	0.2	0.2	20.4	20.4	0	0	0.0	DRY	0.90			
DS41		0.0	-0.2	0.0	0.0	0.1	0.1	20.6	20.6	0	0	0.0	DRY	3.00			

BWB GAS AND GROUNDWATER MONITORING

Site:	ILP - North
Client:	Tritax Symmetry SRFI North Ltd
Job No.:	233398
Date:	28 September 2025
Start / End Time:	09:00-17:00
Engineer:	TF
Monitoring Equipment:	
Gas Meter ID	**Hire**
PID ID	**Hire**
Dip Tape	**A**
Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	0.7	0.7
Wind Direction (from)	NW	NW
Temperature (°C)	14.0	14.0
Barometric Pressure (h Pa / mB)	1008.0	1008.0
App 12 Hour Pressure (h Pa / mB)	1012.0	
12 Hour Pressure Trend	Falling	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
DS01		0.0	0.0	0.0	0.0	1.3	1.3	18.4	18.4	0	0	0.0	0.50	2.75		33.98	Damaged by cultivating
DS02																	
DS03		0.0	0.0	0.0	0.0	3.6	3.6	12.5	12.5	0	0	0.0	DRY	4.80			
DS04																	
DS05																	
DS06																	
DS07		0.0	0.0	0.0	0.0	1.3	1.3	18.4	18.4	0	0	0.0	DRY	1.91			
DS08		0.0	0.0	0.0	0.0	0.2	0.2	20.2	20.2	0	0	0.0	0.95	3.40		28.61	
DS09		2.5	2.5	0.0	0.0	10.4	10.4	10.5	10.5	0	0	0.0	DRY	3.90			
DS10																	
DS11																	
DS12		0.0	0.0	0.0	0.0	1.5	1.5	18.7	18.7	0	0	0.0	DRY	1.88			
DS13		0.0	0.0	0.0	0.0	0.6	0.6	19.6	19.6	0	0	0.0	DRY	1.83			
DS14		0.0	0.0	0.0	0.0	3.2	3.2	18.1	18.1	0	0	0.0	DRY	1.63			
DS15																	
DS16		0.0	0.0	0.0	0.0	2.2	2.2	19.4	19.4	0	0	0.0	DRY	1.65			
DS17		0.0	0.0	0.0	0.0	0.6	0.6	19.9	19.9	0	0	0.0	DRY	1.97			
DS18																	
DS19		0.0	0.0	0.0	0.0	0.8	0.8	19.7	19.7	0	0	0.0	DRY	1.66			
DS20																	
DS21																	
DS22																	
DS23																	
DS24																	
DS25																	
DS26		0.0	0.0	0.0	0.0	1.2	1.2	19.0	19.0	0	0	0.0	DRY	1.50			
DS27		0.0	0.0	0.0	0.0	0.4	0.4	20.4	20.4	0	0	0.0	DRY	1.50			
DS28																	
DS29																	
DS30																	
DS31																	
DS32																	
DS33																	
DS34																	
DS35																	
DS36		0.0	0.0	0.0	0.0	0.2	0.2	20.4	20.4	0	0	0.0	DRY	20.40			
DS37		0.0	0.0	0.0	0.0	0.9	0.9	19.3	19.3	0	0	0.0	DRY	1.60			
DS38																	
DS39		0.0	0.0	0.0	0.0	0.8	0.8	19.4	19.4	0	0	0.0	DRY	1.78			
DS40		0.0	0.0	0.0	0.0	0.6	0.6	19.8	19.8	0	0	0.0	DRY	0.93			
DS41		0.0	0.0	0.0	0.0	0.7	0.7	19.7	19.7	0	0	0.0	DRY	3.00			

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		22 May 2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.3	3.3
Wind Direction (from)	NE	N
Temperature (°C)	14.0	14.0
Barometric Pressure (h Pa / mB)	1034.0	1034.0
App 12 Hour Pressure (h Pa / mB)	1014-1018	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01																	
RO02																	
RO03																	
RO04																	
RO05																	
RO06		0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	0.0	0.0	0.0	11.85	19.85		19.98	
RO07		0.0	0.0	0.0	0.0	0.0	0.0	20.7	20.7	0.0	0.0	0.0	6.80	17.15		26.94	
RO08																	

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		28/05/2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.0	3.0
Wind Direction (from)	W	W
Temperature (°C)	17.0	19.0
Barometric Pressure (h Pa / mB)	1015.0	1015.0
App 12 Hour Pressure (h Pa / mB)	1008-1013	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01		0.0	0.0	0.0	0.0	1.3	1.3	18.5	18.5	0	0	0.0	Dry	8.75			
RO02																	
RO03																	
RO04																	
RO05																	
RO06																	
RO07																	
RO08																	

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		13-16/06/2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	2.5	2.5
Wind Direction (from)	S	S
Temperature (°C)	23.0	23.0
Barometric Pressure (h Pa / mB)	1024.0	1026.0
App 12 Hour Pressure (h Pa / mB)	1021-1025	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01		0.0	0.0	0.0	0.0	3.6	3.6	17.2	17.2	0	0	1.4	Dry	8.78			
RO02		0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0	0	0	0.0	16.30	23.50		15.92	
RO03																	
RO04		0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0	0	0	0.0	9.40	19.85		23.20	
RO05		0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0	0	0	0.8	12.27	23.15		19.75	
RO06																	
RO07		0.0	0.0	0.0	0.0	0.8	0.8	20.4	20.4	0	0	0.0	6.20	17.20		27.54	
RO08																	

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		02-03/07/2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.3	3.3
Wind Direction (from)	SW	SW
Temperature (°C)	18.0	27.0
Barometric Pressure (h Pa / mB)	1044.0	1044.0
App 12 Hour Pressure (h Pa / mB)	1020-1028	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01		0.0	0.0	0.0	0.0	1.8	1.8	18.8	18.8	0	0	0.1	8.65	8.75		25.48	
RO02		0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	0	0	0.0	16.35	23.20		15.87	
RO03		0.0	0.0	0.0	0.0	0.0	0.0	21.0	21.0	0	0	0.1	18.87	23.25		14.44	
RO04																	
RO05																	
RO06																	
RO07		0.0	0.0	0.0	0.0	0.8	0.8	20.3	20.3	0	0	0.0	6.30	12.10		27.44	
RO08																	

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		08/09/2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	dry
Wind Strength (m/s)	0.9	0.9
Wind Direction (from)	SW	SW
Temperature (°C)	15.0	15.0
Barometric Pressure (h Pa / mB)	1009.0	1009.0
App 12 Hour Pressure (h Pa / mB)	1009.0	
12 Hour Pressure Trend	Steady	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01		0.0	0.0	0.0	0.0	0.3	0.3	20.2	20.2	0	0	0.9	6.65	6.75		27.48	
RO02		0.0	0.0	0.0	0.0	0.1	0.1	20.5	20.5	0	0	0.0	16.45	20.30		15.77	
RO03																	
RO04																	
RO05																	
RO06																	
RO07													6.85	17.03		26.89	Cover and bung destroyed
RO08																	

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		22 September 2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Raining
Wind Strength (m/s)	0.3	0.3
Wind Direction (from)	W	W
Temperature (°C)	14.0	14.0
Barometric Pressure (h Pa / mB)	1022.0	1022.0
App 12 Hour Pressure (h Pa / mB)	1015.0	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01		0.0	0.0	0.0	0.0	0.0	0.0	20.7	20.7	0	0	3.0	8.68	8.75		25.45	
RO02																	
RO03																	
RO04																	
RO05																	
RO06																	
RO07		-0.2	0.0	0.0	0.0	0.0	0.0	20.6	20.6	0	0	0.0	7.04	17.30		26.70	
RO08																	

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		28 September 2025
Start / End Time:		09:00-17:00
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**Hire**
	PID ID	**Hire**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	0.7	0.7
Wind Direction (from)	NW	NW
Temperature (°C)	14.0	14.0
Barometric Pressure (h Pa / mB)	1008.0	1008.0
App 12 Hour Pressure (h Pa / mB)	1012.0	
12 Hour Pressure Trend	Falling	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01		0.0	0.0	0.0	0.0	4.0	4.0	17.1	17.1	0	0	2.6	8.60	8.75		25.53	
RO02																	
RO03																	
RO04																	
RO05																	
RO06																	
RO07		0.0	0.0	0.0	0.0	0.0	0.0	20.5	20.5	0	0	0.0	7.02	17.10		26.72	
RO08																	

COPY AND PASTE INTO REPORT AS REQUIRED

HIDE ROWS AS APPROPRIATE

	Borehole Ref.	Flow* (l/hr)		
		Min.	Max.	Min.
NORTHEAST	DS01	0.0	0.1	0.3
WIGAN	DS02	0.0	0.1	0.8
WIGAN	DS03	-12.0	0.1	0.8
WIGAN	DS04	0.0	0.1	0.9
WIGAN	DS05	0.0	0.1	0.0
NORTHEAST	DS06	0.0	0.1	4.5
WIGAN	DS07	0.0	0.1	1.3
WIGAN	DS08	-0.3	0.1	0.0
WIGAN	DS09	-4.6	2.5	0.1
WIGAN	DS10	0.0	0.1	2.9
MAIN SITE	DS11	0.0	0.1	0.6
MAIN SITE	DS12	0.0	0.1	1.3
MAIN SITE	DS13	0.0	0.2	0.6
MAIN SITE	DS14	0.0	0.1	0.7
MAIN SITE	DS15	0.0	0.1	2.0
MAIN SITE	DS16	0.0	0.1	0.5
MAIN SITE	DS17	0.0	0.1	0.6
MAIN SITE	DS18	0.0	0.1	1.3
MAIN SITE	DS19	0.0	0.1	0.5
MAIN SITE	DS20	0.0	0.1	1.9
MAIN SITE	DS21			
MAIN SITE	DS22	0.0	0.1	0.0
WEST OF MAIN SITE	DS23			
WEST OF MAIN SITE	DS24			
WEST OF MAIN SITE	DS25			
MAIN SITE	DS26	0.0	0.1	0.8
MAIN SITE	DS27	0.0	0.1	0.0
WEST OF MAIN SITE	DS28			
MAIN SITE	DS29			
MAIN SITE	DS30	0.0	0.1	4.1
MAIN SITE	DS31	0.0	0.1	3.6
MAIN SITE	DS32	0.0	0.1	1.0
MAIN SITE	DS33	0.0	0.1	1.7
MAIN SITE	DS34	0.0	0.1	1.5
MAIN SITE	DS35	0.0	0.1	0.2
MAIN SITE	DS36	0.0	0.1	0.1
MAIN SITE	DS37	0.0	0.1	0.9
MAIN SITE	DS38	0.0	0.1	0.2
WESTERN RAIL CHORD	DS39	0.0	0.1	0.2
WESTERN RAIL CHORD	DS40	0.0	0.1	0.2
WESTERN RAIL CHORD	DS41	-0.2	0.4	0.1

#REF!

	Area of Concern	Flow* (l/hr)		Carbon (%
		min.	max.	min.
1	1	0.0	0.0	0.0
2	2	0.0	0.0	0.0
3	3	0.0	0.0	0.0
4	4	0.0	0.0	0.0
5	5	0.0	0.0	0.0

#REF!

FILL IN AREA NAMES IN TABLE

0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

Less than detects removed for average

Event 1				
Flow	CH4	CO2	O2	H2S
21/05/2025				
0.01	0.01	0.3	20.3	0
0.01	0.01	0.8	20.5	0
0.01	0.01	1.5	16.9	0
0.01	0.1	0.9	20.1	0
0.01	0.01	0.01	17.8	0
0.01	0.01	3.2	16.8	0
0.01	0.01	4.6	17.4	0.01
0.01	0.01	1.9	19.7	0
0.01	0.01	4.3	18.5	0
0.01	0.01	1.3	19.5	0
0.01	0.01	1.9	19.1	0
0.01	0.01	0.01	20.5	0

Event	Pressure		Date
Event 1	Min	1020-1015	21/05/2025
	Max		21/05/2025
Event 2	Min	1014-1018	22/05/2025

	Max		22/05/2025	
Event 3	Min	1014-1018	28/05/2025	
	Max		28/05/2025	
Event 4	Min	1012-1015	13/06/2025	
	Max		13/06/2025	
Event 5	Min	1021-1025	16/06/2025	
	Max		16/06/2025	
Event 6	Min	#REF!	02/07/2025	
	Max	#REF!	02/07/2025	
Event 7	Min	1020-1028	03/07/2025	
	Max		03/07/2025	
Event 8	Min	1009	08/09/2025	
	Max		08/09/2025	
Event 9	Min	1015	22/09/2025	
	Max		22/09/2025	
Event 10	Min	1012	28/09/2025	
	Max		28/09/2025	
Event 11	Min			
	Max			
Event 12	Min			
	Max			
Min		#REF!	#REF!	#REF!
Max		#REF!	#REF!	#REF!

less than detects included for min and max

0.01	0.01	0.3		
0.01	0.01	0.8		
0.01	0.01	1.5		
0.01	0.1	0.9		
			0.01	0.01
0.01	0.01	0.01		
0.01	0.01	3.2		
0.01	0.01	4.6	0.01	0.01
0.01	0.01	1.9		
0.01	0.01	4.3		
0.01	0.01	1.3		
0.01	0.01	1.9	0.01	0.01
0.01	0.01	0.01		
			0.01	0.01
			0.01	0.01
			0.01	0.01
			0.01	0.01

			0.01	0.01
			0.01	0.01
			0.01	0.01
			0.01	0.01
			0.01	0.01
			0.01	0.01
			0.01	0.01

Flows

	1	2	3	4	5
	21/05/2025	**22/05/2025**	**28/05/2025**	**13/06/2025**	**16/06/2025**
Min	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Max	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Mean	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Count	**12.00**	**14.00**	**3.00**	**11.00**	**8.00**
DS01	0.01				0.01
DS02	0.01				
DS03	0.01				0.01
DS04	0.01				
DS05					
DS06					
DS07		0.01		0.01	
DS08	0.01			0.01	
DS09	0.01				0.01
DS10					0.01
DS11	0.01	0.01			0.01
DS12					
DS13	0.01		0.01		
DS14			0.01		0.01
DS15					0.01
DS16			0.01		0.01
DS17	0.01			0.01	
DS18	0.01				
DS19				0.01	
DS20	0.01	0.01		0.01	
DS21					
DS22	0.01			0.01	
DS23					
DS24					
DS25					
DS26		0.01		0.01	
DS27		0.01		0.01	
DS28					
DS29					
DS30		0.01			
DS31		0.01			
DS32		0.01		0.01	

DS33		0.01		0.01	
DS34		0.01			
DS35		0.01			
DS36		0.01			
DS37		0.01		0.01	
DS38		0.01			
DS39					
DS40					
DS41					

Carbon Dioxide

	1	2	3	4	5
	21/05/2025	**22/05/2025**	**28/05/2025**	**13/06/2025**	**16/06/2025**
Min	**0.01**	**0.20**	**0.70**	**1.20**	**0.60**
Max	**4.60**	**4.10**	**1.70**	**4.20**	**3.60**
Mean	**1.73**	**2.20**	**1.07**	**2.69**	**1.88**
Count	**12.00**	**13.00**	**3.00**	**9.00**	**8.00**
DS01	0.30				0.70
DS02	0.80				
DS03	1.50				2.10
DS04	0.90				
DS05					
DS06				3.80	
DS07		2.30			
DS08	0.01				
DS09	3.20				0.60
DS10					2.90
DS11	4.60	0.60			3.20
DS12					
DS13	1.90		1.70		
DS14			0.80		0.70
DS15					3.60
DS16			0.70	4.20	1.20
DS17	4.30				
DS18	1.30			1.20	
DS19				3.30	
DS20	1.90	4.10			
DS21				2.20	
DS22	0.01				
DS23					
DS24					
DS25				1.60	
DS26		1.50			
DS27		3.10			
DS28					
DS29					
DS30		4.10			
DS31		3.60		2.70	
DS32		2.20		3.30	
DS33		3.00			
DS34					
DS35		0.20			
DS36		2.30		1.90	
DS37		1.10			

DS38		0.50			
DS39					
DS40					
DS41					
				0.00	

Methane

	1	2	3	4	5
	21/05/2025	22/05/2025	28/05/2025	13/06/2025	16/06/2025
Min	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Max	**0.10**	**0.01**	**0.01**	**0.01**	**0.01**
Mean	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**
Count	**12.00**	**14.00**	**3.00**	**11.00**	**8.00**
DS01	0.01				0.01
DS02	0.01				
DS03	0.01				0.01
DS04	0.10				
DS05					
DS06					
DS07		0.01		0.01	
DS08	0.01			0.01	
DS09	0.01				0.01
DS10					0.01
DS11	0.01	0.01			0.01
DS12					
DS13	0.01		0.01		
DS14			0.01		0.01
DS15					0.01
DS16			0.01		0.01
DS17	0.01			0.01	
DS18	0.01				
DS19				0.01	
DS20	0.01	0.01		0.01	
DS21					
DS22	0.01			0.01	
DS23					
DS24					
DS25					
DS26		0.01		0.01	
DS27		0.01		0.01	
DS28					
DS29					
DS30		0.01			
DS31		0.01			
DS32		0.01		0.01	
DS33		0.01		0.01	
DS34		0.01			
DS35		0.01			
DS36		0.01			
DS37		0.01		0.01	
DS38		0.01			
DS39					
DS40					
DS41					

Oxygen

	1	2	3	4	5
	21/05/2025	22/05/2025	28/05/2025	13/06/2025	16/06/2025
Min	**16.80**	**15.20**	**18.70**	**14.60**	**17.60**
Max	**20.50**	**20.60**	**19.70**	**20.40**	**20.20**
Mean	**18.93**	**18.51**	**19.20**	**18.18**	**18.84**
Count	**12.00**	**14.00**	**3.00**	**11.00**	**8.00**
DS01	20.30				19.20
DS02	20.50				
DS03	16.90				19.30
DS04	20.10				
DS05					
DS06					
DS07		18.70		16.90	
DS08	17.80			20.40	
DS09	16.80				20.20
DS10					17.90
DS11	17.40	20.60			17.60
DS12					
DS13	19.70		18.70		
DS14			19.20		19.30
DS15					17.60
DS16			19.70		19.60
DS17	18.50			17.40	
DS18	19.50				
DS19				19.00	
DS20	19.10	16.00		17.90	
DS21					
DS22	20.50			18.20	
DS23					
DS24					
DS25					
DS26		19.70		19.10	
DS27		17.50		20.00	
DS28					
DS29					
DS30		16.60			
DS31		17.80			
DS32		18.30		17.80	
DS33		15.20		14.60	
DS34		20.00			
DS35		19.50			
DS36		19.00			
DS37		20.10		18.70	
DS38		20.20			
DS39					
DS40					
DS41					

Carbon Monoxide

	1	2	3	4	5
	21/05/2025	22/05/2025	28/05/2025	13/06/2025	16/06/2025

Min	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Max	**57.00**	**0.00**	**0.00**	**0.00**	**0.00**
Mean	**5.58**	**0.00**	**0.00**	**0.00**	**0.00**
Count	**12.00**	**14.00**	**3.00**	**11.00**	**8.00**
DS01	0.00				0.00
DS02	0.00				
DS03	0.00				0.00
DS04	0.00				
DS05					
DS06					
DS07		0.00		0.00	
DS08	57.00			0.00	
DS09	10.00				0.00
DS10					0.00
DS11	0.00	0.00			0.00
DS12					
DS13	0.00		0.00		
DS14			0.00		0.00
DS15					0.00
DS16			0.00		0.00
DS17	0.00			0.00	
DS18	0.00				
DS19				0.00	
DS20	0.00	0.00		0.00	
DS21					
DS22	0.00			0.00	
DS23					
DS24					
DS25					
DS26		0.00		0.00	
DS27		0.00		0.00	
DS28					
DS29					
DS30		0.00			
DS31		0.00			
DS32		0.00		0.00	
DS33		0.00		0.00	
DS34		0.00			
DS35		0.00			
DS36		0.00			
DS37		0.00		0.00	
DS38		0.00			
DS39					
DS40					
DS41					

Hydrogen Sulphide

	1	**2**	**3**	**4**	**5**
	21/05/2025	**22/05/2025**	**28/05/2025**	**13/06/2025**	**16/06/2025**
Min	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Max	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**
Mean	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Count	**12.00**	**14.00**	**3.00**	**11.00**	**8.00**
DS01	0.00				0.00

DS02	0.00				
DS03	0.00				0.00
DS04	0.00				
DS05					
DS06					
DS07		0.00		0.00	
DS08	0.00			0.00	
DS09	0.00				0.00
DS10					0.00
DS11	0.01	0.00			0.00
DS12					
DS13	0.00		0.00		
DS14			0.00		0.00
DS15					0.00
DS16			0.00		0.00
DS17	0.00			0.00	
DS18	0.00				
DS19				0.00	
DS20	0.00	0.00		0.00	
DS21					
DS22	0.00			0.00	
DS23					
DS24					
DS25					
DS26		0.00		0.00	
DS27		0.00		0.00	
DS28					
DS29					
DS30		0.00			
DS31		0.00			
DS32		0.00		0.00	
DS33		0.00		0.00	
DS34		0.00			
DS35		0.00			
DS36		0.00			
DS37		0.00		0.00	
DS38		0.00			
DS39					
DS40					
DS41					

PID

	1	2	3	4	5
	21/05/2025	**22/05/2025**	**28/05/2025**	**13/06/2025**	**16/06/2025**
Min	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Max	**8.00**	**0.60**	**0.00**	**0.20**	**0.00**
Mean	**0.67**	**0.07**	**0.00**	**0.02**	**0.00**
Count	**12.00**	**14.00**	**3.00**	**11.00**	**7.00**
DS01	0.00				0.00
DS02	0.00				
DS03	0.00				0.00
DS04	0.00				
DS05					
DS06					

DS07		0.00		0.00	
DS08	0.00			0.20	
DS09	0.00				0.00
DS10					
DS11	8.00	0.00			0.00
DS12					
DS13	0.00		0.00		
DS14			0.00		0.00
DS15					0.00
DS16			0.00		0.00
DS17	0.00			0.00	
DS18	0.00				
DS19				0.00	
DS20	0.00	0.00		0.00	
DS21					
DS22	0.00			0.00	
DS23					
DS24					
DS25					
DS26		0.00		0.00	
DS27		0.00		0.00	
DS28					
DS29					
DS30		0.20			
DS31		0.00			
DS32		0.00		0.00	
DS33		0.10		0.00	
DS34		0.00			
DS35		0.60			
DS36		0.10			
DS37		0.00		0.00	
DS38		0.00			
DS39					
DS40					
DS41					

Carbon Dioxide (% v/v)			Methan		
Max.	Avg.	GSV (l/hr)	Min.	Max.	Avg.
1.3	0.7	0.001	0.0	0.0	0.0
0.8	0.8	0.001	0.0	0.0	0.0
3.6	1.6	0.004	0.0	0.0	0.0
0.9	0.9	0.001	0.1	*0.1*	0.1
0.0	0.0	0.000	0.0	0.0	0.0
4.5	4.5	0.005	0.0	0.0	0.0
3.8	2.3	0.004	0.0	0.0	0.0
1.9	0.7	0.002	0.0	0.0	0.0
10.4	2.9	0.260	0.0	0.0	0.0
2.9	2.9	0.003	0.0	0.0	0.0
4.6	2.3	0.005	0.0	0.0	0.0
3.8	2.0	0.004	0.0	0.0	0.0
1.9	1.2	0.004	0.0	0.0	0.0
3.2	1.3	0.003	0.0	0.0	0.0
3.6	2.8	0.004	0.0	0.0	0.0
2.2	1.0	0.002	0.0	0.0	0.0
4.3	2.1	0.004	0.0	0.0	0.0
1.3	1.3	0.001	0.0	0.0	0.0
1.2	0.8	0.001	0.0	0.0	0.0
4.1	3.2	0.004	0.0	0.0	0.0
2.2	0.8	0.002	0.0	0.0	0.0
1.7	1.3	0.002	0.0	0.0	0.0
3.1	1.1	0.003	0.0	0.0	0.0
4.1	4.1	0.004	0.0	0.0	0.0
3.6	3.6	0.004	0.0	0.0	0.0
2.7	2.0	0.003	0.0	0.0	0.0
3.3	2.7	0.003	0.0	0.0	0.0
1.5	1.5	0.002	0.0	0.0	0.0
0.2	0.2	0.000	0.0	0.0	0.0
2.3	0.7	0.002	0.0	0.0	0.0
2.3	1.4	0.002	0.0	0.0	0.0
0.5	0.4	0.001	0.0	0.0	0.0
2.2	0.9	0.002	0.0	0.0	0.0
5.0	1.5	0.005	0.0	0.0	0.0
2.6	1.0	0.010	0.0	0.0	0.0

Dioxide v/v)	Methane (%v/v)	
max.	min.	max.
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0

GSV(CH4)
0
0
0
0
0

HIDE ROWS AS APPROPRIATE

0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

		Event 2			
CO	PID	Flow	CH4	CO2	O2
		22/05/2025			
0	0				
0	0				
0	0				
0	0				
		0.01	0.01	2.3	18.7
57	0				
10	0				
0	8	0.01	0.01	0.6	20.6
0	0				
0	0				
0	0				
0	0	0.01	0.01	4.1	16
0	0				
		0.01	0.01	1.5	19.7
		0.01	0.01	3.1	17.5
		0.01	0.01	4.1	16.6
		0.01	0.01	3.6	17.8
		0.01	0.01	2.2	18.3
		0.01	0.01	3	15.2
		0.01	0.01		20
		0.01	0.01	0.2	19.5
		0.01	0.01	2.3	19
		0.01	0.01	1.1	20.1
		0.01	0.01	0.5	20.2

2.3				0.01	0.01
				0.01	0.01
0.6					
	0.01	0.01	1.7		
	0.01	0.01	0.8		
	0.01	0.01	0.7		
				0.01	0.01
				0.01	0.01
4.1				0.01	0.01
				0.01	0.01
1.5				0.01	0.01
3.1				0.01	0.01
4.1					
3.6					

2.2				0.01	0.01
3				0.01	0.01
0.2					
2.3					
1.1				0.01	0.01
0.5					

6	7	8	9	10	11
02/07/2025	**03/07/2025**	**08/09/2025**	**22/09/2025**	**28/09/2025**	
0.01	**0.01**	**0.20**	**-12.00**	**2.50**	
0.01	**0.01**	**0.20**	**-0.30**	**2.50**	
0.01	**0.01**	**0.20**	**-5.63**	**2.50**	
11.00	**8.00**	**1.00**	**3.00**	**1.00**	**0.00**
	0.01		-12.00		
	0.01				
	0.01				
	0.01		-0.30		
	0.01		-4.60	2.50	
	0.01				
	0.01				
	0.01	0.20			
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					

0.01					
0.01					
0.01					
0.01					
0.01		0.40	-0.20		

6	7	8	9	10	11
02/07/2025	03/07/2025	08/09/2025	22/09/2025	28/09/2025	
0.20	**0.01**	**0.10**	**0.10**	**0.20**	
5.00	**3.80**	**4.50**	**1.90**	**10.40**	
2.02	**1.60**	**0.85**	**0.70**	**1.75**	
11.00	**6.00**	**21.00**	**15.00**	**17.00**	**0.00**
		0.50		1.30	
	0.90	0.80	0.80	3.60	
	0.01				
		4.50			
	2.60	1.30		1.30	
		0.70	1.90	0.20	
		0.10	0.10	10.40	
	0.70				
	3.80	1.30	1.30	1.50	
	1.60	0.70	0.60	0.60	
1.90		0.70	0.70	3.20	
2.00					
0.90		0.50	0.50	2.20	
		0.70	0.90	0.60	
1.00		0.50	0.70	0.80	
3.50					
0.20					
1.70		0.80	1.10	1.20	
		0.30	0.40	0.40	
		1.00			
		1.70			
1.50					
		0.10	0.10	0.20	
2.30		0.90	1.00	0.90	

		0.20			
2.20		0.20	0.20	0.80	
5.00		0.30	0.20	0.60	
2.60		0.70	0.10	0.70	

6	7	8	9	10	11
02/07/2025	03/07/2025	08/09/2025	22/09/2025	28/09/2025	
0.01	**0.01**				
0.01	**0.01**				
0.01	**0.01**				
11.00	**8.00**	**0.00**	**0.00**	**0.00**	**0.00**
	0.01				
	0.01				
	0.01				
	0.01				
	0.01				
	0.01				
	0.01				
	0.01				
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					
0.01					

6	7	8	9	10	11
02/07/2025	03/07/2025	08/09/2025	22/09/2025	28/09/2025	
15.30	**18.30**	**17.20**	**17.40**	**10.50**	
20.90	**21.00**	**20.70**	**20.60**	**20.40**	
18.95	**20.10**	**20.03**	**19.67**	**18.45**	
11.00	**8.00**	**21.00**	**17.00**	**17.00**	**0.00**
		20.70		18.40	
			20.60		
	20.30	20.00	18.60	12.50	
	20.90				
		17.20			
	18.30	19.40	20.60	18.40	
	21.00	20.30	19.60	20.20	
	20.90	20.40	20.60	10.50	
	20.30				
	18.80	19.70	19.20	18.70	
	20.30	20.30	19.90	19.60	
15.30		20.30	18.70	18.10	
19.60					
20.90		20.50	17.40	19.40	
		20.00	19.60	19.90	
20.10		20.30	19.60	19.70	
18.70					
20.80					
19.60		20.10	19.00	19.00	
		20.40	20.40	20.40	
		20.70			
		19.10			
19.70					
		20.60	20.50	20.40	
19.30		20.00	19.10	19.30	
		19.70			
18.80		20.60	20.60	19.40	
15.70		20.30	20.40	19.80	
15.60		20.20	20.60	19.70	

6	7	8	9	10	11
02/07/2025	03/07/2025	08/09/2025	22/09/2025	28/09/2025	

0.00	**0.00**	**0.00**	**0.00**	**0.00**	
0.00	**0.01**	**0.00**	**0.00**	**0.00**	
0.00	**0.00**	**0.00**	**0.00**	**0.00**	
11.00	**8.00**	**21.00**	**17.00**	**17.00**	**0.00**
		0.00		0.00	
			0.00		
	0.00	0.00	0.00	0.00	
	0.00				
		0.00			
	0.01	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00				
	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
0.00					
0.00		0.00	0.00	0.00	
		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
0.00					
0.00					
0.00		0.00	0.00	0.00	
		0.00	0.00	0.00	
		0.00			
		0.00			
0.00					
		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
		0.00			
0.00		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	

6	**7**	**8**	**9**	**10**	**11**
02/07/2025	**03/07/2025**	**08/09/2025**	**22/09/2025**	**28/09/2025**	
0.00	**0.00**	**0.00**	**0.00**	**0.00**	
0.00	**0.01**	**0.00**	**0.00**	**0.00**	
0.00	**0.00**	**0.00**	**0.00**	**0.00**	
11.00	**8.00**	**21.00**	**17.00**	**17.00**	**0.00**
		0.00		0.00	

			0.00		
	0.00	0.00	0.00	0.00	
	0.00				
		0.00			
	0.01	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00				
	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
0.00					
0.00		0.00	0.00	0.00	
		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
0.00					
0.00					
0.00		0.00	0.00	0.00	
		0.00	0.00	0.00	
		0.00			
		0.00			
0.00					
		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
		0.00			
0.00		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	
0.00		0.00	0.00	0.00	

6	7	8	9	10	11
02/07/2025	03/07/2025	08/09/2025	22/09/2025	28/09/2025	
0.00	**0.00**	**0.00**	**0.00**	**0.00**	
0.00	**0.00**	**0.00**	**0.00**	**0.00**	
0.00	**0.00**	**0.00**	**0.00**	**0.00**	
11.00	**21.00**	**21.00**	**17.00**	**17.00**	**0.00**
	0.00	0.00		0.00	
			0.00		
	0.00	0.00	0.00	0.00	
	0.00	0.00			

	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	
0.00					
0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	
0.00					
0.00					
0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	
	0.00	0.00			
	0.00	0.00			
0.00					
	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	
	0.00	0.00			
0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	

SITE WIDE
Maximum Carbon Dioxide Concentration
Maximum Methane Concentration
Maximum Flow Rate
Characteristic Situation (BS8485)

ne (% v/v)	Oxygen (% v/v)	
GSV (l/hr)	Min.	Max.
0.000	18.40	20.70
0.000	20.50	20.60
0.000	12.50	20.30
0.000	20.10	20.10
0.000		
0.000		
0.000		
0.000	17.80	21.00
0.000	10.50	20.90
0.000		
0.000	17.40	20.60
0.000		
0.000	18.70	20.30
0.000		
0.000		
0.000		
0.000	17.40	20.00
0.000	19.50	19.50
0.000		
0.000	16.00	19.10
0.000	18.20	20.80
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		
0.000		

AVERAGING AREA		
GSV(CO2)	GSV (worst)	BS8485
0	0	*1*
0	0	*1*
0	0	*1*
0	0	*1*
0	0	*1*

H2S	CO	PID
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0.2
0	0	0
0	0	0
0	0	0.1
0	0	0
0	0	0.6
0	0	0.1
0	0	0
0	0	0

	0.01	0.01
	0.01	0.01
3.8		
	0.01	0.01
	0.01	0.01
	0.01	0.01
	0.01	0.01
	0.01	0.01
	0.01	0.01
4.2		
1.2		
3.3		
2.2		
1.6		

2.7		
3.3		
1.9		

12	Total	
	-12.00	9
	2.50	10
	-0.19	
0.00	**72.00**	

12	Total
	0.01
	10.40
	1.58
0.00	115.00

12	Total
	0.01
	0.10
	0.01
0.00	67.00

1
1

12	Total	Min
	10.50	
	21.00	
	19.12	
0.00	**122.00**	
		18.40
		20.50
		12.50
		20.10
		17.80
		10.50
		17.40
		18.70
		17.40
		19.50
		16.00
		18.20

12	Total	

	0.00	
	57.00	
	0.55	
0.00	**122.00**	
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00

12	**Total**	
	0.00	
	0.01	
	0.00	
0.00	**122.00**	
		0.00

		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00

12	**Total**	
	0.00	
	8.00	
	0.07	
0.00	**134.00**	
		0.00
		0.00
		0.00
		0.00

		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00

		GSV	
	10.4 %	0.26	(CO2)
	0.1 %	0.0025	(CH4)
	2.5 l/hr	0.26	(worst)
	2		

Borehole Specific Classification	Consider CS2	H2S (ppm		CO (ppm)	
CS		Min.	Max.	Min.	Max.
1	N	0.00	0.00	0.00	0.00
1	N	0.00	0.00	0.00	0.00
1	N	0.00	0.00	0.00	0.00
1	N	0.00	0.00	0.00	0.00
1	N				
1	N				
1	N				
1	N	0.00	0.00	0.00	57.00
2	Y	0.00	0.00	0.00	10.00
1	N				
1	N	0.00	0.01	0.00	0.00
1	N				
1	N	0.00	0.00	0.00	0.00
1	N				
1	N				
1	N				
1	N	0.00	0.00	0.00	0.00
1	N	0.00	0.00	0.00	0.00
1	N				
1	N	0.00	0.00	0.00	0.00
1	N				
1	N	0.00	0.00	0.00	0.00
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
1	N				
2	Y				
1	N				
1	N				

Consider CS2
N
N
N
N
N

Event 3					
Flow	CH4	CO2	O2	H2S	CO
28/05/2025					
0.01	0.01	1.7	18.7	0	0
0.01	0.01	0.8	19.2	0	0
0.01	0.01	0.7	19.7	0	0

0.7					
2.1				0.01	0.01
				0.01	0.01
				0.01	0.01
				0.01	0.01
0.6				0.01	0.01
2.9					
3.2				0.01	0.01
				0.01	0.01
				0.01	0.01
0.7	0.01	0.01	1.9		
3.6	0.01	0.01	2		
1.2	0.01	0.01	0.9		
	0.01	0.01	1		
	0.01	0.01	3.5		
	0.01	0.01	0.2		
	0.01	0.01	1.7		

	0.01	0.01	1.5		
	0.01	0.01	2.3		
	0.01	0.01	2.2		
	0.01	0.01	5		
	0.01	0.01	2.6		

22/09/2025 22/09/2025
28/09/2025 28/09/2025

21/05/2025 21/05/2025
28/09/2025 28/09/2025

21/05/2025 21/05/2025
21/05/2025 21/05/2025

Max
20.70
20.60
20.30
20.10
21.00
20.90
20.60
20.30
20.00
19.50
19.10
20.80

0.00
0.00
0.00
0.00
57.00
10.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.01
0.00
0.00
0.00
0.00
0.00

0.20
0.00
8.00
0.00
0.00
0.00
0.00
0.00

PID (ppm)		STRATA	INSTALL	WATER	
Min.	Max.				
0.00	0.00	Till	1 to 3.5	2.4	PARTIALLY DAMAGED
0.00	0.00	Till	2 to 3.5	2.2	FLOODED DAMAGED
0.00	0.00	Till	1 to 5.0		DRY
0.00	0.00	Till	1 to 4.0		DRY
		Till	2 to 4.0		DRY
		Till	1 to 3.0	1.98	PARTIALLY FLOODED
		Till	1 to 2.0	1.99	NOT FLOODED
0.00	0.20	Till	2 to 4.0	0.9	FLOODED
0.00	0.00	Till	3 to 4.0		DRY
		Till	1 to 3		DRY
0.00	8.00	Bedrock	1 to 1.5		DRY
		Bedrock	1 to 2.0		DRY
0.00	0.00	Bedrock	1 to 2.0		DRY
		Reworked	0.5 to 2		DRY
		Bedrock	1 to 1.5		DRY
		Bedrock	1 to 2.0	Mostly bedl	DRY
0.00	0.00	Bedrock	1 to 2.0		DRY
0.00	0.00	Bedrock	1 to 1.5		DRY
		Bedrock	1 to 2.0		DRY
0.00	0.00	Bedrock	1 to 2.0		DRY
0.00	0.00	Bedrock	0.5 to 1.5	Mostly bedl	DRY
		Bedrock	0.5 to 1.5		DRY
		Till and Bedrock	0.9 to 1.9		DRY
		Bedrock	1 to 2.0		
		Bedrock	1.5 to 2.0		DRY
		Bedrock	1 to 2.0	Mostly bedl	DRY
		Till	0.5 to 1.5		DRY
		Till	0.9 to 1.9		DRY
		Bedrock	0.5 to 1.5	Mostly bedl	DRY
		Bedrock	1 to 2.0	1.9	NOT FLOODED
		Bedrock	0.5 to 1.0		DRY
		Bedrock	0.5 to 2.0		DRY
		Till	0.5 to 1.5		DRY
		Bedrock	1 to 2.0		DRY
		Bedrock	0.5 to 1.0		DRY
		Till and Bedrock	1.5 to 3.0		DRY

	Event 4							Event 5
PID	Flow	CH4	CO2	O2	H2S	CO	PID	Flow
	13/06/2025							######
								0.01
								0.01
	0.01	0.01	3.8	16.9	0	0	0	
	0.01	0.01		20.4	0	0	0.2	
								0.01
								0.01
								0.01
0								
0								0.01
								0.01
0								0.01
	0.01	0.01	4.2	17.4	0	0	0	
	0.01	0.01	1.2	19	0	0	0	
	0.01	0.01	3.3	17.9	0	0	0	
	0.01	0.01	2.2	18.2	0	0	0	
	0.01	0.01	1.6	19.1	0	0	0	
	0.01	0.01		20	0	0	0	
	0.01	0.01	2.7	17.8	0	0	0	
	0.01	0.01	3.3	14.6	0	0	0	
	0.01	0.01	1.9	18.7	0	0	0	

F H

			0.5					
0.9			0.8	-12		0.8		
0.01								
			4.5					
2.6			1.3					
			0.7	-0.3		1.9		
			0.1	-4.6		0.1	2.5	
0.7								
3.8			1.3			1.3		
1.6	0.2		0.7			0.6		
			0.7			0.7		
			0.5			0.5		
			0.7			0.9		
			0.5			0.7		
			0.8			1.1		
			0.3			0.4		

			1					
			1.7					
			0.1			0.1		
			0.9			1		
			0.2					
			0.2			0.2		
			0.3			0.2		
	0.4		0.7	-0.2		0.1		



0.0
0.0
0.0
0.0
0.0

						Event 6		
CH4	CO2	O2	H2S	CO	PID	Flow	CH5	CO3
						######		
0.01	0.7	19.2	0	0	0			
0.01	2.1	19.3	0	0	0			
0.01	0.6	20.2	0	0	0			
0.01	2.9	17.9	0	0				
0.01	3.2	17.6	0	0	0			
0.01	0.7	19.3	0	0	0	0.01	0.01	1.9
0.01	3.6	17.6	0	0	0	0.01	0.01	2
0.01	1.2	19.6	0	0	0	0.01	0.01	0.9
						0.01	0.01	1
						0.01	0.01	3.5
						0.01	0.01	0.2
						0.01	0.01	1.7
						0.01	0.01	1.5
						0.01	0.01	2.3
						0.01	0.01	2.2
						0.01	0.01	5
						0.01	0.01	2.6

J

							Flow count	Count CO2
1.3							2	4
							1	1
3.6							4	6
							1	1
							1	1
							0	1
1.3							3	5
0.2							4	4
10.4							5	5
							1	1
							4	4
1.5							1	4
0.6							4	6
3.2							3	6
							2	2
2.2							3	6
0.6							2	5
							1	1
0.8							2	5
							4	4
							0	0
							3	3
							0	0
							0	0
							0	0
1.2							3	6
0.4							2	4
							0	0
							0	0
							1	1
							1	1

							2	3
							2	3
							2	1
							1	1
0.2							1	4
0.9							3	6
							1	2
0.8							1	4
0.6							1	4
0.7							3	4
							0	0



0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

				Event 7				
O3	H2S	CO	PID	Flow	CH6	CO4	O4	H2S
				45841				
				0.01	0.01	0.9	20.3	0
				0.01	0.01	0.01	20.9	0
				0.01	0.01	2.6	18.3	0.01
				0.01	0.01		21	0
				0.01	0.01		20.9	0
				0.01	0.01	0.7	20.3	0
				0.01	0.01	3.8	18.8	0
				0.01	0.01	1.6	20.3	0
15.3	0	0	0					
19.6	0	0	0					
20.9	0	0	0					
20.1	0	0	0					
18.7	0	0	0					
20.8	0	0	0					
19.6	0	0	0					
19.7	0	0	0					
19.3	0	0	0					
18.8	0	0	0					
15.7	0	0	0					
15.6	0	0	0					

Count CH	Flow		C02			CH4		
	Min	Max	Min	Max		Min	Max	
2	0.0	0.0	0.3	1.3		0.01	0.01	
1	0.0	0.0	0.8	0.8		0.01	0.01	
3	-12.0	0.0	0.8	3.6		0.01	0.01	
1	0.0	0.0	0.9	0.9		0.1	0.1	
1	0.0	0.0	0.0	0.0		0.01	0.01	
0			4.5	4.5				
3	0.0	0.0	1.3	3.8		0.01	0.01	
3	-0.3	0.0	0.0	1.9		0.01	0.01	
3	-4.6	2.5	0.1	10.4		0.01	0.01	
1	0.0	0.0	2.9	2.9		0.01	0.01	
4	0.0	0.0	0.6	4.6		0.01	0.01	
1	0.0	0.0	1.3	3.8		0.01	0.01	
3	0.0	0.2	0.6	1.9		0.01	0.01	
3	0.0	0.0	0.7	3.2		0.01	0.01	
2	0.0	0.0	2.0	3.6		0.01	0.01	
3	0.0	0.0	0.5	2.2		0.01	0.01	
2	0.0	0.0	0.6	4.3		0.01	0.01	
1	0.0	0.0	1.3	1.3		0.01	0.01	
2	0.0	0.0	0.5	1.2		0.01	0.01	
4	0.0	0.0	1.9	4.1		0.01	0.01	
0								
3	0.0	0.0	0.0	2.2		0.01	0.01	
0								
0								
0								
3	0.0	0.0	0.8	1.7		0.01	0.01	
2	0.0	0.0	0.3	3.1		0.01	0.01	
0								
0								
1	0.0	0.0	4.1	4.1		0.01	0.01	
1	0.0	0.0	3.6	3.6		0.01	0.01	

2	0.0	0.0	1.0	2.7		0.01	0.01	
2	0.0	0.0	1.7	3.3		0.01	0.01	
2	0.0	0.0	1.5	1.5		0.01	0.01	
1	0.0	0.0	0.2	0.2		0.01	0.01	
1	0.0	0.0	0.1	2.3		0.01	0.01	
3	0.0	0.0	0.9	2.3		0.01	0.01	
1	0.0	0.0	0.2	0.5		0.01	0.01	
1	0.0	0.0	0.2	2.2		0.01	0.01	
1	0.0	0.0	0.2	5.0		0.01	0.01	
1	-0.2	0.4	0.1	2.6		0.01	0.01	
0								
	-12.0	2.5	0.0	10.4		0.0	0.1	



		Event 8						
CO	PID	Flow	CH7	CO5	O5	H2S	CO	PID
		45908						
				0.5	20.7	0	0	0
0	0			0.8	20	0	0	0
0	0							
				4.5	17.2	0	0	0
0.01	0			1.3	19.4	0	0	0
0	0			0.7	20.3	0	0	0
0	0			0.1	20.4	0	0	0
0	0							
0	0			1.3	19.7	0	0	0
0	0	0.2		0.7	20.3	0	0	0
				0.7	20.3	0	0	0
				0.5	20.5	0	0	0
				0.7	20	0	0	0
				0.5	20.3	0	0	0
				0.8	20.1	0	0	0
				0.3	20.4	0	0	0
				1	20.7	0	0	0
				1.7	19.1	0	0	0
				0.1	20.6	0	0	0
				0.9	20	0	0	0
				0.2	19.7	0	0	0
				0.2	20.6	0	0	0
				0.3	20.3	0	0	0
		0.4		0.7	20.2	0	0	0

			Averaging Area 1					
O2				Averagin		Flow		C02
Min	Max			g area		Min	Max	Min
0.01	4			0				
1	1			0				
0.01	6			0				
1	1			0				
0.01	1			0				
1	1			0				
0.01	5			0				
0.01	4			0				
0.01	5			0				
0.01	1			0				
0.01	4			0				
0.01	4			0				
0.01	6			0				
0.01	6			0				
0.01	2			0				
0.01	6			0				
0.01	5			0				
1	1			0				
0.01	5			0				
0.01	4			0				
0	0			0				
0.01	3			0				
0	0			0				
0	0			0				
0	0			0				
0.01	6			0				
0.01	4			0				
0	0			0				
0	0			0				
0.01	1			0				
0.01	1			0				

0.01	3	
0.01	3	
0.01	1	
0.01	1	
0.01	4	
0.01	6	
0.01	2	
0.01	4	
0.01	4	
0.01	4	
0	0	
0.0	6.0	

0
0
0
0
0
0
0
0
0
0
0

	0.0	0.0	0.0

42 42 42 42 42 42



Event 9							Event 10	
Flow	CH8	CO6	O6	H2S	CO	PID	Flow	CH9
45922							45928	
			20.6	0	0	0		
-12		0.8	18.6	0	0	0		
			20.6	0	0	0		
-0.3		1.9	19.6	0	0	0		
-4.6		0.1	20.6	0	0	0	2.5	
		1.3	19.2	0	0	0		
		0.6	19.9	0	0	0		
		0.7	18.7	0	0	0		
		0.5	17.4	0	0	0		
		0.9	19.6	0	0	0		
		0.7	19.6	0	0	0		
		1.1	19	0	0	0		
		0.4	20.4	0	0	0		
		0.1	20.5	0	0	0		
		1	19.1	0	0	0		
		0.2	20.6	0	0	0		
		0.2	20.4	0	0	0		
-0.2		0.1	20.6	0	0	0		

			Averaging Area 2			
	CH4			Flow		C
Max	Min	Max		Min	Max	Min

0.0	0.0	0.0

42 42 42

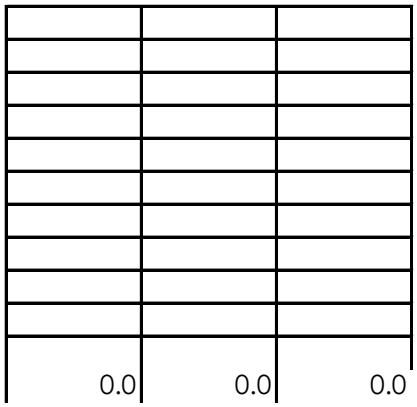
0.0	0.0	0.0

42 42 42

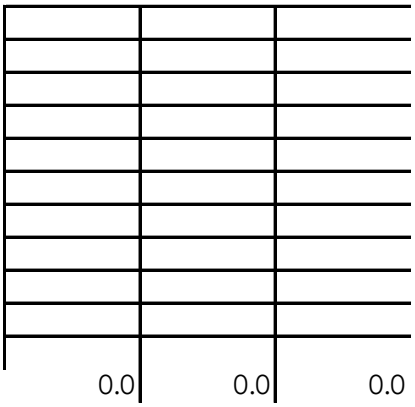


					Event 11			
CO7	O7	H2S	CO	PID	Flow	CH10	CO8	O8
1.3	18.4	0	0	0				
3.6	12.5	0	0	0				
1.3	18.4	0	0	0				
0.2	20.2	0	0	0				
10.4	10.5	0	0	0				
1.5	18.7	0	0	0				
0.6	19.6	0	0	0				
3.2	18.1	0	0	0				
2.2	19.4	0	0	0				
0.6	19.9	0	0	0				
0.8	19.7	0	0	0				
1.2	19	0	0	0				
0.4	20.4	0	0	0				
0.2	20.4	0	0	0				
0.9	19.3	0	0	0				
0.8	19.4	0	0	0				
0.6	19.8	0	0	0				
0.7	19.7	0	0	0				

			Averaging Area 3			
O2		CH4		Flow		C
Max	Min	Max		Min	Max	Min



42 42 42



42 42 42



			Event 12					
H2S	CO	PID	Flow	CH11	CO9	O9	H2S	CO

			Averaging Area 4			
O2		CH4		Flow		C
Max	Min	Max		Min	Max	Min

0.0	0.0	0.0

42 42 42

0.0	0.0	0.0

42 42 42



						Averaging Area 1		
	Flow count	Count CO2	Count CH	Flow		C02		
PID				Min	Max	Min	Max	Avg
	2	4	2	0.01	0.01	0.3	1.3	0.7
	1	1	1	0.01	0.01	0.8	0.8	0.8
	4	6	3	-12	0.01	0.8	3.6	1.616667
	1	1	1	0.01	0.01	0.9	0.9	0.9
	1	1	1	0.01	0.01	0.01	0.01	0.01
	0	1	0	0	0	4.5	4.5	4.5
	3	5	3	0.01	0.01	1.3	3.8	2.26
	4	4	3	-0.3	0.01	0.01	1.9	0.7025
	5	5	3	-4.6	2.5	0.1	10.4	2.88
	1	1	1	0.01	0.01	2.9	2.9	2.9
	4	4	4	0.01	0.01	0.6	4.6	2.275
	1	4	1	0.01	0.01	1.3	3.8	1.975
	4	6	3	0.01	0.2	0.6	1.9	1.183333
	3	6	3	0.01	0.01	0.7	3.2	1.333333
	2	2	2	0.01	0.01	2	3.6	2.8
	3	6	3	0.01	0.01	0.5	2.2	1
	2	5	2	0.01	0.01	0.6	4.3	2.14
	1	1	1	0.01	0.01	1.3	1.3	1.3
	2	5	2	0.01	0.01	0.5	1.2	0.84
	4	4	4	0.01	0.01	1.9	4.1	3.2
	0	0	0	0	0	0	0	
	3	3	3	0.01	0.01	0.01	2.2	0.803333
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	3	6	3	0.01	0.01	0.8	1.7	1.316667
	2	4	2	0.01	0.01	0.3	3.1	1.05
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	1	1	1	0.01	0.01	4.1	4.1	4.1
	1	1	1	0.01	0.01	3.6	3.6	3.6
	2	3	2	0.01	0.01	1	2.7	1.966667
	2	3	2	0.01	0.01	1.7	3.3	2.666667
	2	1	2	0.01	0.01	1.5	1.5	1.5
	1	1	1	0.01	0.01	0.2	0.2	0.2
	1	4	1	0.01	0.01	0.1	2.3	0.675
	3	6	3	0.01	0.01	0.9	2.3	1.35
	1	2	1	0.01	0.01	0.2	0.5	0.35
	1	4	1	0.01	0.01	0.2	2.2	0.85
	1	4	1	0.01	0.01	0.2	5	1.525
	3	4	1	-0.2	0.4	0.1	2.6	1.025
	0	0	0	0	0	0	0	
						0	0	0

			Averaging Area 5			
O2		CH4		Flow		C
Max	Min	Max		Min	Max	Min

0.0	0.0	0.0

42 42 42

0.0	0.0	0.0

42 42 42



CH4				Averaging area
Min	Max	Avg		
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.1	0.1	0.1		0
0.01	0.01	0.01		0
0	0			0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0	0			0
0.01	0.01	0.01		0
0	0			0
0	0			0
0	0			0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0	0			0
0	0			0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0.01	0.01	0.01		0
0	0			0
0	#DIV/0!	0	0	#DIV/0!

Averaging Area 2		
Flow		C02
Min	Max	Min

O2		CH4
Max	Min	Max

0.0	0.0	0.0



		CH4		
Max	Avg	Min	Max	Avg



		CH4		
Max	Avg	Min	Max	Avg



		CH4		
Max	Avg	Min	Max	Avg



		CH4		
Max	Avg	Min	Max	Avg



		CH4		
Max	Avg	Min	Max	Avg

BWB GAS AND GROUNDWATER MONITORING

Site:		ILP - North
Client:		Tritax Symmetry SRFI North Ltd
Job No.:		233398
Date:		22 May 2025
Start / End Time:		09:00-16:30
Engineer:		TF
Monitoring Equipment:	**Gas Meter ID**	**80238**
	PID ID	**80153**
	Dip Tape	**A**
	Other	

NR = Not Recorded
Dry = No Groundwater

BWB
CONSULTANCY | ENVIRONMENT
INFRASTRUCTURE | BUILDINGS

Weather Conditions	Start	End
(Dry / Raining)	Dry	Dry
Wind Strength (m/s)	3.3	3.3
Wind Direction (from)	NE	N
Temperature (°C)	14.0	14.0
Barometric Pressure (h Pa / mB)	1034.0	1034.0
App 12 Hour Pressure (h Pa / mB)	1014-1018	
12 Hour Pressure Trend	Rising	
PID - Air		
PID - Calibration Gas		

Location Reference	Relative Pressure (Pa)	Flow (l/hr)		Methane (%v/v)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Hydrogen Sulphide (ppm)	Carbon Monoxide (ppm)	PID (ppm)	Depth to water (m)	Base of Response Zone (m)	Free-Phase Product Level Top (m)	Groundwater Elevation (m AOD)	Notes
		Peak	Steady	Peak	Steady	Peak	Steady	Min	Steady								
Ambient Air Start (Calibration)																	
Ambient Air Finish (Calibration)																	
RO01																	
RO02																	
RO03																	
RO04																	
RO05																	
RO06		0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	0.0	0.0	0.0	11.85	19.85		19.98	
RO07		0.0	0.0	0.0	0.0	0.0	0.0	20.7	20.7	0.0	0.0	0.0	6.80	17.15		26.94	
RO08																	

Appendix 7: Soil Chemical Analysis Results

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Manchester
M1 3HU

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Herts,
WD18 8YS

t: 01923 225404
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e: reception@i2analytical.com

Analytical Report Number : 25-023592

Project / Site name:	ILP North	**Samples received on:**	01/05/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	08/05/2025
Your order number:	11636	**Analysis completed by:**	19/05/2025
Report Issue Number:	1	**Report issued on:**	16/06/2025
Samples Analysed:	21 soil samples		

Signed:

Charlotte Hall
Customer Service Advisor
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539283	539284	539285	539286	539287
Sample Reference				DS03	DS03	DS01	DS01	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	2	0.2	0.5	0.2
Date Sampled				28/04/2025	28/04/2025	28/04/2025	28/04/2025	25/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	10	5.4	13	12
Total mass of sample received	kg	0.1	NONE	0.3	0.3	0.1	0.2	0.4
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.9	7.3	7	8.2	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	680	140	750	130	600
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	45	93	50	85	46
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0225	0.0466	0.0248	0.0427	0.0227
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	22.5	46.6	24.8	42.7	22.7
Total Sulphur	mg/kg	50	MCERTS	310	56	340	66	440
Organic Matter (automated)	%	0.1	MCERTS	4.5	0.5	4.1	0.5	5.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.06	< 0.05	0.12	< 0.05	0.14
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.15	< 0.05	0.25	< 0.05	0.26
Pyrene	mg/kg	0.05	MCERTS	0.14	< 0.05	0.24	< 0.05	0.24
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.09	< 0.05	0.12	< 0.05	0.13
Chrysene	mg/kg	0.05	MCERTS	0.11	< 0.05	0.15	< 0.05	0.16
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.13	< 0.05	0.19	< 0.05	0.21
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.06	< 0.05	0.07
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.15	< 0.05	0.15
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	< 0.05	0.08
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	< 0.05	0.08
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	1.43	< 0.80	1.52

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539283	539284	539285	539286	539287
Sample Reference				DS03	DS03	DS01	DS01	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	2	0.2	0.5	0.2
Date Sampled				28/04/2025	28/04/2025	28/04/2025	28/04/2025	25/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.1	8.2	9.7	6.2	12
Barium (aqua regia extractable)	mg/kg	1	MCERTS	79	68	71	56	110
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.71	0.8	0.66	0.74	0.96
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	0.3	0.7	0.6	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	< 0.2	0.4	< 0.2	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	21	24	36	30
Copper (aqua regia extractable)	mg/kg	1	MCERTS	28	14	25	19	35
Lead (aqua regia extractable)	mg/kg	1	MCERTS	44	7.3	39	9.5	46
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	27	16	20	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1.3
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	25	22	27	31	32
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	51	39	57	31	69
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10	< 10	180	10	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-	-
Alachlor	µg/kg	10	NONE	-	-	< 10	-	-
Bifenthrin	µg/kg	10	NONE	-	-	< 10	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-	-
Omethoate	µg/kg	10	NONE	-	-	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-	-
Etrimfos	µg/kg	10	NONE	-	-	< 10	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	-	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	-	-
Triadimefon	µg/kg	10	NONE	-	-	< 10	-	-

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539283	539284	539285	539286	539287
Sample Reference				DS03	DS03	DS01	DS01	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	2	0.2	0.5	0.2
Date Sampled				28/04/2025	28/04/2025	28/04/2025	28/04/2025	25/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Trans-Permethrin	µg/kg	10	NONE	-	-	< 10	-	-
Aldrin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Dieldrin	µg/kg	10	NONE	-	-	30	-	-
Deltamethrin	µg/kg	10	NONE	-	-	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-	-
Endrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Fenthion	µg/kg	10	NONE	-	-	< 10	-	-
Isodrin	µg/kg	10	NONE	-	-	< 10	-	-
Methacrifos	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-
Parathion	µg/kg	10	NONE	-	-	< 10	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Pendimethalin	µg/kg	10	NONE	-	-	24	-	-
Phorate	µg/kg	10	NONE	-	-	< 10	-	-
Phosalone	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-	-
Propyzamide	µg/kg	10	NONE	-	-	< 10	-	-
Triazophos	µg/kg	10	NONE	-	-	< 10	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	-	-
Diazinon	µg/kg	10	NONE	-	-	< 10	-	-
Ethion	µg/kg	10	NONE	-	-	< 10	-	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-	-
Malathion	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539283	539284	539285	539286	539287
Sample Reference				DS03	DS03	DS01	DS01	DS04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	2	0.2	0.5	0.2
Date Sampled				28/04/2025	28/04/2025	28/04/2025	28/04/2025	25/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	-	-	< 10	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	< 10	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	< 10	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	< 10	-	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	< 10	-	-
Aldicarb	µg/kg	10	NONE	-	-	< 10	-	-
Carbofuran	µg/kg	10	NONE	-	-	< 10	-	-
Fluometuron	µg/kg	10	NONE	-	-	< 10	-	-
Methomyl	µg/kg	10	NONE	-	-	< 10	-	-
Oxamyl	µg/kg	10	NONE	-	-	< 10	-	-
Propoxur	µg/kg	10	NONE	-	-	< 10	-	-
Siduron	µg/kg	10	NONE	-	-	< 10	-	-
Terbutryn	µg/kg	10	NONE	-	-	< 10	-	-
Carbaryl	µg/kg	10	NONE	-	-	< 10	-	-
Diflubenzuron	µg/kg	10	NONE	-	-	< 10	-	-
Isoproturon	µg/kg	10	NONE	-	-	< 10	-	-
Prometryn	µg/kg	10	NONE	-	-	< 10	-	-
Propazine	µg/kg	10	NONE	-	-	< 10	-	-
Trietazine	µg/kg	10	NONE	-	-	< 10	-	-
Atrazine	µg/kg	10	NONE	-	-	< 10	-	-
Chlorotoluron	µg/kg	10	NONE	-	-	< 10	-	-
Cyanazine	µg/kg	10	NONE	-	-	< 10	-	-
Diuron	µg/kg	10	NONE	-	-	< 10	-	-
Linuron	µg/kg	10	NONE	-	-	< 10	-	-
Methiocarb	µg/kg	10	NONE	-	-	< 10	-	-
Simazine	µg/kg	10	NONE	-	-	< 10	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	< 10	-	-
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	0.2
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	0.1
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539288	539289	539290	539291	539292
Sample Reference				DS04	DS05	DS02	DS02	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.5	0.5	0.1	3	0.1
Date Sampled				25/04/2025	25/04/2025	25/04/2025	25/04/2025	23/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	11	17	16	11
Total mass of sample received	kg	0.1	NONE	0.1	0.3	0.3	0.3	0.6
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8	7.8	6.2	6.4	7.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	160	160	600	< 50 *n	580
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	68	50	26	33	45
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0341	0.0251	0.0127	0.0165	0.0225
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	34.1	25.1	12.7	16.5	22.5
Total Sulphur	mg/kg	50	MCERTS	100	70	380	< 50 *n	220
Organic Matter (automated)	%	0.1	MCERTS	1	0.9	7.7	0.4	2.7
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.11	< 0.05	0.09
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.11	< 0.05	0.09
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539288	539289	539290	539291	539292
Sample Reference				DS04	DS05	DS02	DS02	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.5	0.5	0.1	3	0.1
Date Sampled				25/04/2025	25/04/2025	25/04/2025	25/04/2025	23/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.8	3.6	8.2	1.8	4.9
Barium (aqua regia extractable)	mg/kg	1	MCERTS	65	72	67	36	59
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.84	1	0.56	0.52	0.59
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	0.4	0.5	0.2	0.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.4	< 0.2	0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	40	18	16	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	17	22	28	14	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	7.7	11	190	5.8	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	26	25	12	14	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	1.2	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	26	40	21	17	22
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	44	39	64	27	41
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	14	< 10	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-	< 10
Alachlor	µg/kg	10	NONE	-	-	< 10	-	< 10
Bifenthrin	µg/kg	10	NONE	-	-	< 10	-	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	< 10	-	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-	< 10
Omethoate	µg/kg	10	NONE	-	-	< 10	-	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-	< 10
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-	< 10
Demeton-O	µg/kg	10	NONE	-	-	< 10	-	< 10
Demeton-S	µg/kg	10	NONE	-	-	< 10	-	< 10
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-	< 10
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-	< 10
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	< 10
Cis-Permethrin	µg/kg	10	NONE	-	-	< 10	-	< 10
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-	< 10
Etrimfos	µg/kg	10	NONE	-	-	< 10	-	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-	< 10
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	< 10
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-	< 10
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	< 10
Propetamphos	µg/kg	10	NONE	-	-	< 10	-	< 10
Tecnazene	µg/kg	10	NONE	-	-	< 10	-	< 10
Triadimefon	µg/kg	10	NONE	-	-	< 10	-	< 10

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539288	539289	539290	539291	539292
Sample Reference				DS04	DS05	DS02	DS02	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.5	0.5	0.1	3	0.1
Date Sampled				25/04/2025	25/04/2025	25/04/2025	25/04/2025	23/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Trans-Permethrin	µg/kg	10	NONE	-	-	< 10	-	< 10
Aldrin	µg/kg	10	NONE	-	-	< 10	-	< 10
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-	< 10
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-	< 10
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-	< 10
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-	< 10
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-	< 10
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-	< 10
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	< 10
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-	< 10
Dieldrin	µg/kg	10	NONE	-	-	76	-	35
Deltamethrin	µg/kg	10	NONE	-	-	< 10	-	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-	< 10
Endrin	µg/kg	10	NONE	-	-	< 10	-	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-	< 10
Fenthion	µg/kg	10	NONE	-	-	< 10	-	< 10
Isodrin	µg/kg	10	NONE	-	-	< 10	-	< 10
Methacrifos	µg/kg	10	NONE	-	-	< 10	-	< 10
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	< 10
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	< 10
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	< 10
Parathion	µg/kg	10	NONE	-	-	< 10	-	< 10
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-	< 10
Pendimethalin	µg/kg	10	NONE	-	-	18	-	< 10
Phorate	µg/kg	10	NONE	-	-	< 10	-	< 10
Phosalone	µg/kg	10	NONE	-	-	< 10	-	< 10
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	< 10
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	< 10
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-	< 10
Propyzamide	µg/kg	10	NONE	-	-	< 10	-	< 10
Triazophos	µg/kg	10	NONE	-	-	< 10	-	< 10
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	< 10
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-	< 10
Dimethoate	µg/kg	10	NONE	-	-	< 10	-	< 10
Diazinon	µg/kg	10	NONE	-	-	< 10	-	< 10
Ethion	µg/kg	10	NONE	-	-	< 10	-	< 10
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-	< 10
Malathion	µg/kg	10	NONE	-	-	< 10	-	< 10
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-	< 10
Trifluralin	µg/kg	10	NONE	-	-	< 10	-	< 10
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	< 10

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539288	539289	539290	539291	539292
Sample Reference				DS04	DS05	DS02	DS02	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				1.5	0.5	0.1	3	0.1
Date Sampled				25/04/2025	25/04/2025	25/04/2025	25/04/2025	23/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	-	-	< 10	-	< 10
Tebuthiuron	µg/kg	10	NONE	-	-	< 10	-	< 10
Thiadiazuron	µg/kg	10	NONE	-	-	< 10	-	< 10
Aldicarb Sulfone	µg/kg	10	NONE	-	-	< 10	-	< 10
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	< 10	-	< 10
Aldicarb	µg/kg	10	NONE	-	-	< 10	-	< 10
Carbofuran	µg/kg	10	NONE	-	-	< 10	-	< 10
Fluometuron	µg/kg	10	NONE	-	-	< 10	-	< 10
Methomyl	µg/kg	10	NONE	-	-	< 10	-	< 10
Oxamyl	µg/kg	10	NONE	-	-	< 10	-	< 10
Propoxur	µg/kg	10	NONE	-	-	< 10	-	< 10
Siduron	µg/kg	10	NONE	-	-	< 10	-	< 10
Terbutryn	µg/kg	10	NONE	-	-	< 10	-	< 10
Carbaryl	µg/kg	10	NONE	-	-	< 10	-	< 10
Diflubenzuron	µg/kg	10	NONE	-	-	< 10	-	< 10
Isoproturon	µg/kg	10	NONE	-	-	< 10	-	< 10
Prometryn	µg/kg	10	NONE	-	-	< 10	-	< 10
Propazine	µg/kg	10	NONE	-	-	< 10	-	< 10
Trietazine	µg/kg	10	NONE	-	-	< 10	-	< 10
Atrazine	µg/kg	10	NONE	-	-	< 10	-	< 10
Chlorotoluron	µg/kg	10	NONE	-	-	< 10	-	< 10
Cyanazine	µg/kg	10	NONE	-	-	< 10	-	< 10
Diuron	µg/kg	10	NONE	-	-	< 10	-	< 10
Linuron	µg/kg	10	NONE	-	-	< 10	-	< 10
Methiocarb	µg/kg	10	NONE	-	-	< 10	-	< 10
Simazine	µg/kg	10	NONE	-	-	< 10	-	< 10
Terbuthylazine	µg/kg	10	NONE	-	-	< 10	-	< 10
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539293	539294	539295	539296	539297
Sample Reference				DS08	DS07	DS16	DS14	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	0.2	0.1	1.95	0.2
Date Sampled				23/04/2025	23/04/2025	30/04/2025	30/04/2025	30/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	17.2	< 0.1
Moisture Content	%	0.01	NONE	15	19	6.7	3.1	9.9
Total mass of sample received	kg	0.1	NONE	0.6	0.8	0.4	0.3	0.4
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.8	7.5	7.4	7.9	7.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	660	840	760	170	750
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	32	62	82	49	54
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0157	0.0311	0.0412	0.0245	0.0268
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	15.7	31.1	41.2	24.5	26.8
Total Sulphur	mg/kg	50	MCERTS	320	400	250	69	290
Organic Matter (automated)	%	0.1	MCERTS	4	5.9	3.5	0.2	4.8
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	0.06
Fluorene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	< 0.05	0.07
Phenanthrene	mg/kg	0.05	MCERTS	0.79	< 0.05	0.07	< 0.05	0.71
Anthracene	mg/kg	0.05	MCERTS	0.27	< 0.05	< 0.05	< 0.05	0.16
Fluoranthene	mg/kg	0.05	MCERTS	1.3	0.15	0.18	< 0.05	1.3
Pyrene	mg/kg	0.05	MCERTS	1.1	< 0.05	0.16	< 0.05	1.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.51	< 0.05	0.08	< 0.05	0.64
Chrysene	mg/kg	0.05	MCERTS	0.53	< 0.05	0.12	< 0.05	0.75
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.5	< 0.05	0.15	< 0.05	0.77
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.2	< 0.05	< 0.05	< 0.05	0.25
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.49	< 0.05	0.13	< 0.05	0.72
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.22	< 0.05	0.06	< 0.05	0.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.08
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.25	< 0.05	0.07	< 0.05	0.4
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	6.2	< 0.80	1.03	< 0.80	7.51

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539293	539294	539295	539296	539297
Sample Reference				DS08	DS07	DS16	DS14	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	0.2	0.1	1.95	0.2
Date Sampled				23/04/2025	23/04/2025	30/04/2025	30/04/2025	30/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.8	9.2	11	6.5	12
Barium (aqua regia extractable)	mg/kg	1	MCERTS	83	89	53	92	66
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.68	0.83	0.54	0.3	0.57
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.8	0.8	0.3	1.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	0.4	0.3	< 0.2	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	25	20	6.3	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	52	30	22	3.2	37
Lead (aqua regia extractable)	mg/kg	1	MCERTS	84	38	36	2.5	64
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	17	20	13	14	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1	1.2	< 1.0	4.7	1.1
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	23	30	23	8.6	24
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	63	57	51	13	89
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	10	< 10	< 10	< 10	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Alachlor	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Bifenthrin	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Omethoate	µg/kg	10	NONE	-	< 10	< 10	-	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Dimethylvinphos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Demeton-O	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Demeton-S	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Endrin Aldehyde	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Endrin Ketone	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Cis-Permethrin	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Etrimfos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Propetamphos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Tecnazene	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Triadimefon	µg/kg	10	NONE	-	< 10	< 10	-	< 10

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539293	539294	539295	539296	539297
Sample Reference				DS08	DS07	DS16	DS14	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	0.2	0.1	1.95	0.2
Date Sampled				23/04/2025	23/04/2025	30/04/2025	30/04/2025	30/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Trans-Permethrin	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Aldrin	µg/kg	10	NONE	-	22	< 10	-	< 10
Azinphos-methyl	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Beta-BHC	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Cis-Chlordane	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Chlorpyrifos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Chlorothalonil	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Carbophenothion	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Delta-BHC	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Dieldrin	µg/kg	10	NONE	-	160	40	-	< 10
Deltamethrin	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Endrin	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Fenthion	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Isodrin	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Methacrifos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
O,p'-DDD	µg/kg	10	NONE	-	< 10	< 10	-	< 10
O,p'-DDE	µg/kg	10	NONE	-	< 10	< 10	-	< 10
O,p'-DDT	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Parathion	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Parathion-methyl	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Pendimethalin	µg/kg	10	NONE	-	< 10	88	-	32
Phorate	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Phosalone	µg/kg	10	NONE	-	< 10	< 10	-	< 10
P,p'-DDD	µg/kg	10	NONE	-	< 10	< 10	-	< 10
P,p'-DDE	µg/kg	10	NONE	-	< 10	< 10	-	< 10
P,p'-DDT	µg/kg	10	NONE	-	< 10	< 10	-	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Propyzamide	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Triazophos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Trans-Chlordane	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Dichlorvos	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Dimethoate	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Diazinon	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Ethion	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Fenitrothion	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Malathion	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Trifluralin	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	< 10	-	< 10

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539293	539294	539295	539296	539297
Sample Reference				DS08	DS07	DS16	DS14	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	0.2	0.1	1.95	0.2
Date Sampled				23/04/2025	23/04/2025	30/04/2025	30/04/2025	30/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Tebuthiuron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Thiadiazuron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Aldicarb Sulfone	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Aldicarb Sulfoxide	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Aldicarb	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Carbofuran	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Fluometuron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Methomyl	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Oxamyl	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Propoxur	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Siduron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Terbutryn	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Carbaryl	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Diflubenzuron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Isoproturon	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Prometryn	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Propazine	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Trietazine	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Atrazine	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Chlorotoluron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Cyanazine	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Diuron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Linuron	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Methiocarb	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Simazine	µg/kg	10	NONE	-	< 10	< 10	-	< 10
Terbuthylazine	µg/kg	10	NONE	-	< 10	< 10	-	< 10
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539298	539299	539300	539301	539302
Sample Reference				DS17	DS17	DS18	DS18	DS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	1	0.2	0.6	0.4
Date Sampled				30/04/2025	30/04/2025	01/05/2025	01/05/2025	01/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	7.4	14	12	14
Total mass of sample received	kg	0.1	NONE	0.4	0.3	0.3	0.6	0.6
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.9	6.3	6.7	7.4	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	690	140	750	200	610
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	41	34	52	32	40
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0205	0.0172	0.0261	0.0159	0.0198
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	20.5	17.2	26.1	15.9	19.8
Total Sulphur	mg/kg	50	MCERTS	260	< 50	340	79	230
Organic Matter (automated)	%	0.1	MCERTS	4.2	0.4	4.6	0.9	3.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.11	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.29	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.18	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.17	< 0.05	1.5	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.3	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.35	< 0.05	1.9	< 0.05	0.14
Pyrene	mg/kg	0.05	MCERTS	0.37	< 0.05	1.8	< 0.05	0.15
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.17	< 0.05	0.87	< 0.05	0.09
Chrysene	mg/kg	0.05	MCERTS	0.22	< 0.05	0.95	< 0.05	0.09
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.25	< 0.05	1	< 0.05	0.13
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.09	< 0.05	0.34	< 0.05	0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.24	< 0.05	0.97	< 0.05	0.11
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.11	< 0.05	0.42	< 0.05	0.06
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.12	< 0.05	0.5	< 0.05	0.07
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.1	< 0.80	11.3	< 0.80	0.91

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539298	539299	539300	539301	539302
Sample Reference				DS17	DS17	DS18	DS18	DS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	1	0.2	0.6	0.4
Date Sampled				30/04/2025	30/04/2025	01/05/2025	01/05/2025	01/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	8.1	12	7.6	8.4
Barium (aqua regia extractable)	mg/kg	1	MCERTS	55	53	57	41	55
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.5	0.89	0.52	0.75	0.53
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.2	1.3	0.7	0.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	< 0.2	0.4	< 0.2	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	81	22	32	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	28	4.5	28	18	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	58	3	49	9.8	29
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	11	14	24	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0	1.3	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	21	44	27	30	18
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	73	21	65	39	55
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	12	< 10	13
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-	-
Alachlor	µg/kg	10	NONE	-	-	< 10	-	-
Bifenthrin	µg/kg	10	NONE	-	-	< 10	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-	-
Omethoate	µg/kg	10	NONE	-	-	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-	-
Etrimfos	µg/kg	10	NONE	-	-	< 10	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	-	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	-	-
Triadimefon	µg/kg	10	NONE	-	-	< 10	-	-

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539298	539299	539300	539301	539302
Sample Reference				DS17	DS17	DS18	DS18	DS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	1	0.2	0.6	0.4
Date Sampled				30/04/2025	30/04/2025	01/05/2025	01/05/2025	01/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Trans-Permethrin	µg/kg	10	NONE	-	-	< 10	-	-
Aldrin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Dieldrin	µg/kg	10	NONE	-	-	< 10	-	-
Deltamethrin	µg/kg	10	NONE	-	-	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-	-
Endrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Fenthion	µg/kg	10	NONE	-	-	< 10	-	-
Isodrin	µg/kg	10	NONE	-	-	< 10	-	-
Methacrifos	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-
Parathion	µg/kg	10	NONE	-	-	< 10	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Pendimethalin	µg/kg	10	NONE	-	-	23	-	-
Phorate	µg/kg	10	NONE	-	-	< 10	-	-
Phosalone	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-	-
Propyzamide	µg/kg	10	NONE	-	-	< 10	-	-
Triazophos	µg/kg	10	NONE	-	-	< 10	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	-	-
Diazinon	µg/kg	10	NONE	-	-	< 10	-	-
Ethion	µg/kg	10	NONE	-	-	< 10	-	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-	-
Malathion	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539298	539299	539300	539301	539302
Sample Reference				DS17	DS17	DS18	DS18	DS06
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.2	1	0.2	0.6	0.4
Date Sampled				30/04/2025	30/04/2025	01/05/2025	01/05/2025	01/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	-	-	< 10	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	< 10	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	< 10	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	< 10	-	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	< 10	-	-
Aldicarb	µg/kg	10	NONE	-	-	< 10	-	-
Carbofuran	µg/kg	10	NONE	-	-	< 10	-	-
Fluometuron	µg/kg	10	NONE	-	-	< 10	-	-
Methomyl	µg/kg	10	NONE	-	-	< 10	-	-
Oxamyl	µg/kg	10	NONE	-	-	< 10	-	-
Propoxur	µg/kg	10	NONE	-	-	< 10	-	-
Siduron	µg/kg	10	NONE	-	-	< 10	-	-
Terbutryn	µg/kg	10	NONE	-	-	< 10	-	-
Carbaryl	µg/kg	10	NONE	-	-	< 10	-	-
Diflubenzuron	µg/kg	10	NONE	-	-	< 10	-	-
Isoproturon	µg/kg	10	NONE	-	-	< 10	-	-
Prometryn	µg/kg	10	NONE	-	-	< 10	-	-
Propazine	µg/kg	10	NONE	-	-	< 10	-	-
Trietazine	µg/kg	10	NONE	-	-	< 10	-	-
Atrazine	µg/kg	10	NONE	-	-	< 10	-	-
Chlorotoluron	µg/kg	10	NONE	-	-	< 10	-	-
Cyanazine	µg/kg	10	NONE	-	-	< 10	-	-
Diuron	µg/kg	10	NONE	-	-	< 10	-	-
Linuron	µg/kg	10	NONE	-	-	< 10	-	-
Methiocarb	µg/kg	10	NONE	-	-	< 10	-	-
Simazine	µg/kg	10	NONE	-	-	< 10	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	< 10	-	-
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	0.2
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	< 0.1
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	< 0.1

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539303
Sample Reference				DS06
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				1.4
Date Sampled				01/05/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	14
Total mass of sample received	kg	0.1	NONE	0.6

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	100
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	31
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0154
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	15.4
Total Sulphur	mg/kg	50	MCERTS	< 50
Organic Matter (automated)	%	0.1	MCERTS	0.4

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539303
Sample Reference				DS06
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				1.4
Date Sampled				01/05/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.6
Barium (aqua regia extractable)	mg/kg	1	MCERTS	18
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.22
Boron (water soluble)	mg/kg	0.2	MCERTS	0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	11
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.5
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	9.3
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	13
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	18
Petroleum Hydrocarbons				
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10
Pesticides (GC-MS)				
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-
Alachlor	µg/kg	10	NONE	-
Bifenthrin	µg/kg	10	NONE	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-
Omethoate	µg/kg	10	NONE	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-
Dimethylvinphos	µg/kg	10	NONE	-
Demeton-O	µg/kg	10	NONE	-
Demeton-S	µg/kg	10	NONE	-
Endrin Aldehyde	µg/kg	10	NONE	-
Endrin Ketone	µg/kg	10	NONE	-
Hexachlorobutadiene	µg/kg	10	NONE	-
Phosphamidon (Sum)	µg/kg	10	NONE	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-
Cis-Permethrin	µg/kg	10	NONE	-
Endosulfan sulfate	µg/kg	10	NONE	-
Etrimfos	µg/kg	10	NONE	-
Fenvalerate (Sum)	µg/kg	10	NONE	-
Hexachlorobenzene	µg/kg	10	NONE	-
Mevinphos, E+Z	µg/kg	10	NONE	-
Pentachlorobenzene	µg/kg	10	NONE	-
Pirimiphos-ethyl	µg/kg	10	NONE	-
Propetamphos	µg/kg	10	NONE	-
Tecnazene	µg/kg	10	NONE	-
Triadimefon	µg/kg	10	NONE	-

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539303
Sample Reference				DS06
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				1.4
Date Sampled				01/05/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Trans-Permethrin	µg/kg	10	NONE	-
Aldrin	µg/kg	10	NONE	-
Azinphos-methyl	µg/kg	10	NONE	-
Beta-BHC	µg/kg	10	NONE	-
Cis-Chlordane	µg/kg	10	NONE	-
Chlorfenvinphos	µg/kg	10	NONE	-
Chlorpyrifos	µg/kg	10	NONE	-
Chlorothalonil	µg/kg	10	NONE	-
Carbophenothion	µg/kg	10	NONE	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-
Delta-BHC	µg/kg	10	NONE	-
Dieldrin	µg/kg	10	NONE	-
Deltamethrin	µg/kg	10	NONE	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-
Endrin	µg/kg	10	NONE	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-
Fenthion	µg/kg	10	NONE	-
Isodrin	µg/kg	10	NONE	-
Methacrifos	µg/kg	10	NONE	-
O,p'-DDD	µg/kg	10	NONE	-
O,p'-DDE	µg/kg	10	NONE	-
O,p'-DDT	µg/kg	10	NONE	-
Parathion	µg/kg	10	NONE	-
Parathion-methyl	µg/kg	10	NONE	-
Pendimethalin	µg/kg	10	NONE	-
Phorate	µg/kg	10	NONE	-
Phosalone	µg/kg	10	NONE	-
P,p'-DDD	µg/kg	10	NONE	-
P,p'-DDE	µg/kg	10	NONE	-
P,p'-DDT	µg/kg	10	NONE	-
P,p'-Methoxychlor	µg/kg	10	NONE	-
Propyzamide	µg/kg	10	NONE	-
Triazophos	µg/kg	10	NONE	-
Trans-Chlordane	µg/kg	10	NONE	-
Cypermethrin (Sum)	µg/kg	10	NONE	-
Dichlorvos	µg/kg	10	NONE	-
Dimethoate	µg/kg	10	NONE	-
Diazinon	µg/kg	10	NONE	-
Ethion	µg/kg	10	NONE	-
Fenitrothion	µg/kg	10	NONE	-
Malathion	µg/kg	10	NONE	-
Pirimiphos-methyl	µg/kg	10	NONE	-
Trifluralin	µg/kg	10	NONE	-
Azinphos-ethyl	µg/kg	10	NONE	-

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Analytical Report Number: 25-023592
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				539303
Sample Reference				DS06
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				1.4
Date Sampled				01/05/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Pesticides (LC-MS)				
Carbofuran, 3-OH	µg/kg	10	NONE	-
Tebuthiuron	µg/kg	10	NONE	-
Thiadiazuron	µg/kg	10	NONE	-
Aldicarb Sulfone	µg/kg	10	NONE	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-
Aldicarb	µg/kg	10	NONE	-
Carbofuran	µg/kg	10	NONE	-
Fluometuron	µg/kg	10	NONE	-
Methomyl	µg/kg	10	NONE	-
Oxamyl	µg/kg	10	NONE	-
Propoxur	µg/kg	10	NONE	-
Siduron	µg/kg	10	NONE	-
Terbutryn	µg/kg	10	NONE	-
Carbaryl	µg/kg	10	NONE	-
Diflubenzuron	µg/kg	10	NONE	-
Isoproturon	µg/kg	10	NONE	-
Prometryn	µg/kg	10	NONE	-
Propazine	µg/kg	10	NONE	-
Trietazine	µg/kg	10	NONE	-
Atrazine	µg/kg	10	NONE	-
Chlorotoluron	µg/kg	10	NONE	-
Cyanazine	µg/kg	10	NONE	-
Diuron	µg/kg	10	NONE	-
Linuron	µg/kg	10	NONE	-
Methiocarb	µg/kg	10	NONE	-
Simazine	µg/kg	10	NONE	-
Terbuthylazine	µg/kg	10	NONE	-
PFAS				
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-023592
Project / Site name: ILP North

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
539283	DS03	None Supplied	0.1	Brown clay and loam with gravel and vegetation
539284	DS03	None Supplied	2	Brown clay and sand with gravel
539285	DS01	None Supplied	0.2	Brown clay and sand with gravel
539286	DS01	None Supplied	0.5	Brown clay and sand with gravel
539287	DS04	None Supplied	0.2	Brown loam and sand with gravel and vegetation
539288	DS04	None Supplied	1.5	Brown clay
539289	DS05	None Supplied	0.5	Brown clay with vegetation
539290	DS02	None Supplied	0.1	Brown loam and sand with gravel and vegetation
539291	DS02	None Supplied	3	Brown clay and sand
539292	DS09	None Supplied	0.1	Brown loam and clay with gravel and vegetation
539293	DS08	None Supplied	0.1	Brown loam and clay with gravel and vegetation
539294	DS07	None Supplied	0.2	Brown loam and clay
539295	DS16	None Supplied	0.1	Brown loam and clay with gravel
539296	DS14	None Supplied	1.95	Brown sand with stones
539297	DS15	None Supplied	0.2	Brown loam and clay
539298	DS17	None Supplied	0.2	Brown loam and clay with gravel
539299	DS17	None Supplied	1	Brown sandy clay
539300	DS18	None Supplied	0.2	Brown loam and clay with vegetation
539301	DS18	None Supplied	0.6	Brown clay and sand
539302	DS06	None Supplied	0.4	Brown loam and clay with vegetation
539303	DS06	None Supplied	1.4	Brown sand

Analytical Report Number : 25-023592
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025

Analytical Report Number : 25-023592
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Pesticides by LC-MS	Detemination of Pesticides in soil by LC-MS	In-house method	L056B	W	NONE
PFAS in soil by LC-MS/MS	Determination of PFAS in soil by LC-MS/MS	In-house method	L117B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*n- Despite repeating Total Sulphate and Total Sulphur analysis, the results remain contradictory.

Analytical Report Number : 25-023592
Project / Site name: ILP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DS01	N/A	S	539285	c	Complex Cyanide in soil	L080-PL	c
DS01	N/A	S	539285	c	Free cyanide in soil	L080-PL	c
DS01	N/A	S	539285	c	Monohydric phenols in soil	L080-PL	c
DS01	N/A	S	539285	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS01	N/A	S	539285	c	Total cyanide in soil	L080-PL	c
DS01	N/A	S	539285	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS01	N/A	S	539285	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS01	N/A	S	539286	c	Complex Cyanide in soil	L080-PL	c
DS01	N/A	S	539286	c	Free cyanide in soil	L080-PL	c
DS01	N/A	S	539286	c	Monohydric phenols in soil	L080-PL	c
DS01	N/A	S	539286	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS01	N/A	S	539286	c	Total cyanide in soil	L080-PL	c
DS01	N/A	S	539286	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS01	N/A	S	539286	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS02	N/A	S	539290	c	Complex Cyanide in soil	L080-PL	c
DS02	N/A	S	539290	c	Free cyanide in soil	L080-PL	c
DS02	N/A	S	539290	c	Monohydric phenols in soil	L080-PL	c
DS02	N/A	S	539290	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS02	N/A	S	539290	c	Total cyanide in soil	L080-PL	c
DS02	N/A	S	539290	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS02	N/A	S	539290	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS02	N/A	S	539290	c	pH in soil (automated)	L099-PL	c
DS02	N/A	S	539291	c	Complex Cyanide in soil	L080-PL	c
DS02	N/A	S	539291	c	Free cyanide in soil	L080-PL	c
DS02	N/A	S	539291	c	Monohydric phenols in soil	L080-PL	c
DS02	N/A	S	539291	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS02	N/A	S	539291	c	Total cyanide in soil	L080-PL	c
DS02	N/A	S	539291	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS02	N/A	S	539291	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS02	N/A	S	539291	c	pH in soil (automated)	L099-PL	c
DS03	N/A	S	539283	c	Complex Cyanide in soil	L080-PL	c
DS03	N/A	S	539283	c	Free cyanide in soil	L080-PL	c
DS03	N/A	S	539283	c	Monohydric phenols in soil	L080-PL	c
DS03	N/A	S	539283	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS03	N/A	S	539283	c	Total cyanide in soil	L080-PL	c
DS03	N/A	S	539283	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS03	N/A	S	539283	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS03	N/A	S	539284	c	Complex Cyanide in soil	L080-PL	c
DS03	N/A	S	539284	c	Free cyanide in soil	L080-PL	c
DS03	N/A	S	539284	c	Monohydric phenols in soil	L080-PL	c
DS03	N/A	S	539284	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS03	N/A	S	539284	c	Total cyanide in soil	L080-PL	c
DS03	N/A	S	539284	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS03	N/A	S	539284	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS04	N/A	S	539287	c	Complex Cyanide in soil	L080-PL	c
DS04	N/A	S	539287	c	Free cyanide in soil	L080-PL	c
DS04	N/A	S	539287	c	Monohydric phenols in soil	L080-PL	c
DS04	N/A	S	539287	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS04	N/A	S	539287	c	Total cyanide in soil	L080-PL	c
DS04	N/A	S	539287	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS04	N/A	S	539287	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS04	N/A	S	539287	c	pH in soil (automated)	L099-PL	c
DS04	N/A	S	539288	c	Complex Cyanide in soil	L080-PL	c
DS04	N/A	S	539288	c	Free cyanide in soil	L080-PL	c
DS04	N/A	S	539288	c	Monohydric phenols in soil	L080-PL	c
DS04	N/A	S	539288	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c

Analytical Report Number : 25-023592
Project / Site name: ILP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DS04	N/A	S	539288	c	Total cyanide in soil	L080-PL	c
DS04	N/A	S	539288	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS04	N/A	S	539288	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS04	N/A	S	539288	c	pH in soil (automated)	L099-PL	c
DS05	N/A	S	539289	c	Complex Cyanide in soil	L080-PL	c
DS05	N/A	S	539289	c	Free cyanide in soil	L080-PL	c
DS05	N/A	S	539289	c	Monohydric phenols in soil	L080-PL	c
DS05	N/A	S	539289	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS05	N/A	S	539289	c	Total cyanide in soil	L080-PL	c
DS05	N/A	S	539289	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS05	N/A	S	539289	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS05	N/A	S	539289	c	pH in soil (automated)	L099-PL	c
DS07	N/A	S	539294	c	Complex Cyanide in soil	L080-PL	c
DS07	N/A	S	539294	c	Free cyanide in soil	L080-PL	c
DS07	N/A	S	539294	c	Monohydric phenols in soil	L080-PL	c
DS07	N/A	S	539294	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS07	N/A	S	539294	c	Total cyanide in soil	L080-PL	c
DS07	N/A	S	539294	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS07	N/A	S	539294	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS07	N/A	S	539294	c	pH in soil (automated)	L099-PL	c
DS08	N/A	S	539293	c	Complex Cyanide in soil	L080-PL	c
DS08	N/A	S	539293	c	Free cyanide in soil	L080-PL	c
DS08	N/A	S	539293	c	Monohydric phenols in soil	L080-PL	c
DS08	N/A	S	539293	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS08	N/A	S	539293	c	Total cyanide in soil	L080-PL	c
DS08	N/A	S	539293	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS08	N/A	S	539293	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS08	N/A	S	539293	c	pH in soil (automated)	L099-PL	c
DS09	N/A	S	539292	c	Complex Cyanide in soil	L080-PL	c
DS09	N/A	S	539292	c	Free cyanide in soil	L080-PL	c
DS09	N/A	S	539292	c	Monohydric phenols in soil	L080-PL	c
DS09	N/A	S	539292	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
DS09	N/A	S	539292	c	Total cyanide in soil	L080-PL	c
DS09	N/A	S	539292	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
DS09	N/A	S	539292	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
DS09	N/A	S	539292	c	pH in soil (automated)	L099-PL	c

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Analytical Report Number : 25-024376

Project / Site name:	ILP North	**Samples received on:**	08/05/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	08/05/2025
Your order number:		**Analysis completed by:**	20/05/2025
Report Issue Number:	1	**Report issued on:**	20/05/2025
Samples Analysed:	27 soil samples		

Signed:

Matthew O'Connell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543369	543370	543371	543372	543373
Sample Reference				DS20	DS20	DS19	DS19	DS20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.4	0.7	0.3	0.8	0.1
Date Sampled				01/05/2025	01/05/2025	02/05/2025	02/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	21.4	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	15	6.6	6.4	14
Total mass of sample received	kg	0.1	NONE	0.3	0.3	0.7	0.7	0.7
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8	7.5	7.9	6.4	7.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	510	420	390	110	640
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	24	33	16	10	23
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0119	0.0164	0.00821	0.00514	0.0115
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	11.9	16.4	8.21	5.14	11.5
Total Sulphur	mg/kg	50	MCERTS	180	140	120	< 50	370
Organic Matter (automated)	%	0.1	MCERTS	2.6	1.3	2.2	0.3	6.4
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	< 0.05	0.1
Fluorene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	0.08
Phenanthrene	mg/kg	0.05	MCERTS	0.67	< 0.05	0.1	< 0.05	0.93
Anthracene	mg/kg	0.05	MCERTS	0.14	< 0.05	< 0.05	< 0.05	0.19
Fluoranthene	mg/kg	0.05	MCERTS	1.2	< 0.05	0.15	< 0.05	1.7
Pyrene	mg/kg	0.05	MCERTS	1.2	< 0.05	0.16	< 0.05	1.7
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.56	< 0.05	0.08	< 0.05	0.85
Chrysene	mg/kg	0.05	MCERTS	0.6	< 0.05	0.08	< 0.05	0.87
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.63	< 0.05	0.08	< 0.05	0.99
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.25	< 0.05	< 0.05	< 0.05	0.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.59	< 0.05	0.09	< 0.05	0.89
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.24	< 0.05	< 0.05	< 0.05	0.39
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.07
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.27	< 0.05	< 0.05	< 0.05	0.45
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	6.39	< 0.80	< 0.80	< 0.80	9.55
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.1	7.1	5.1	3	9.7
Barium (aqua regia extractable)	mg/kg	1	MCERTS	54	37	31	25	59
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.49	0.5	0.3	0.37	0.61
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.5	0.5	0.4	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	< 0.2	< 0.2	< 0.2	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	15	28	14	7.9	18

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543369	543370	543371	543372	543373
Sample Reference				DS20	DS20	DS19	DS19	DS20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.4	0.7	0.3	0.8	0.1
Date Sampled				01/05/2025	01/05/2025	02/05/2025	02/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Copper (aqua regia extractable)	mg/kg	1	MCERTS	25	12	14	5.6	31
Lead (aqua regia extractable)	mg/kg	1	MCERTS	41	11	14	1.8	55
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	19	12	8.9	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.1	< 1.0	< 1.0	1.1
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	21	29	17	8.2	20
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	51	37	32	15	58
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	11	< 10	< 10	< 10	12
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543369	543370	543371	543372	543373
Sample Reference				DS20	DS20	DS19	DS19	DS20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.4	0.7	0.3	0.8	0.1
Date Sampled				01/05/2025	01/05/2025	02/05/2025	02/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

Pesticides (LC-MS)

Carbofuran, 3-OH	µg/kg	10	NONE	-	-	-	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	-	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	-	-	-
Aldicarb	µg/kg	10	NONE	-	-	-	-	-
Carbofuran	µg/kg	10	NONE	-	-	-	-	-
Fluometuron	µg/kg	10	NONE	-	-	-	-	-
Methomyl	µg/kg	10	NONE	-	-	-	-	-
Oxamyl	µg/kg	10	NONE	-	-	-	-	-
Propoxur	µg/kg	10	NONE	-	-	-	-	-
Siduron	µg/kg	10	NONE	-	-	-	-	-
Terbutryn	µg/kg	10	NONE	-	-	-	-	-
Carbaryl	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543369	543370	543371	543372	543373
Sample Reference				DS20	DS20	DS19	DS19	DS20
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.4	0.7	0.3	0.8	0.1
Date Sampled				01/05/2025	01/05/2025	02/05/2025	02/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Diflubenzuron	µg/kg	10	NONE	-	-	-	-	-
Isoproturon	µg/kg	10	NONE	-	-	-	-	-
Prometryn	µg/kg	10	NONE	-	-	-	-	-
Propazine	µg/kg	10	NONE	-	-	-	-	-
Trietazine	µg/kg	10	NONE	-	-	-	-	-
Atrazine	µg/kg	10	NONE	-	-	-	-	-
Chlorotoluron	µg/kg	10	NONE	-	-	-	-	-
Cyanazine	µg/kg	10	NONE	-	-	-	-	-
Diuron	µg/kg	10	NONE	-	-	-	-	-
Linuron	µg/kg	10	NONE	-	-	-	-	-
Methiocarb	µg/kg	10	NONE	-	-	-	-	-
Simazine	µg/kg	10	NONE	-	-	-	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	-	-	-
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	0.1	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	0.3	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	< 0.1	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543374	543375	543376	543377	543378
Sample Reference				DS20	DS32	DS32	DS33	DS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.1	0.5	0.3	1.2
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	11	9.6	11	10
Total mass of sample received	kg	0.1	NONE	0.7	0.7	0.3	0.7	0.7
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	6.6	7.4	7.1	7.2	5
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	310	530	110	250	460
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	10	24	42	20	96
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.00519	0.0121	0.021	0.0098	0.0479
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	5.19	12.1	21	9.8	47.9
Total Sulphur	mg/kg	50	MCERTS	90	310	< 50	85	140
Organic Matter (automated)	%	0.1	MCERTS	1.9	4.3	0.5	0.7	0.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.25	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.53	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.53	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.27	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.33	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.41	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.16	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.34	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.16	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.18	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	3.22	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	1.2	7.1	2.8	1.5	2.5
Barium (aqua regia extractable)	mg/kg	1	MCERTS	17	57	55	36	67
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.23	0.52	0.62	0.42	0.63
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	1	0.4	0.4	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	15	18	29	25	21

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543374	543375	543376	543377	543378
Sample Reference				DS20	DS32	DS32	DS33	DS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.1	0.5	0.3	1.2
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Copper (aqua regia extractable)	mg/kg	1	MCERTS	7.2	26	16	9.8	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	8.5	37	7.6	7.8	9.8
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.5	13	19	19	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	11	18	29	20	19
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	15	48	31	30	31
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	15	< 10	< 10	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543374	543375	543376	543377	543378
Sample Reference				DS20	DS32	DS32	DS33	DS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.1	0.5	0.3	1.2
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

Pesticides (LC-MS)

Carbofuran, 3-OH	µg/kg	10	NONE	-	-	-	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	-	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	-	-	-
Aldicarb	µg/kg	10	NONE	-	-	-	-	-
Carbofuran	µg/kg	10	NONE	-	-	-	-	-
Fluometuron	µg/kg	10	NONE	-	-	-	-	-
Methomyl	µg/kg	10	NONE	-	-	-	-	-
Oxamyl	µg/kg	10	NONE	-	-	-	-	-
Propoxur	µg/kg	10	NONE	-	-	-	-	-
Siduron	µg/kg	10	NONE	-	-	-	-	-
Terbutryn	µg/kg	10	NONE	-	-	-	-	-
Carbaryl	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543374	543375	543376	543377	543378
Sample Reference				DS20	DS32	DS32	DS33	DS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.1	0.5	0.3	1.2
Date Sampled				06/05/2025	06/05/2025	06/05/2025	06/05/2025	06/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Diflubenzuron	µg/kg	10	NONE	-	-	-	-	-
Isoproturon	µg/kg	10	NONE	-	-	-	-	-
Prometryn	µg/kg	10	NONE	-	-	-	-	-
Propazine	µg/kg	10	NONE	-	-	-	-	-
Trietazine	µg/kg	10	NONE	-	-	-	-	-
Atrazine	µg/kg	10	NONE	-	-	-	-	-
Chlorotoluron	µg/kg	10	NONE	-	-	-	-	-
Cyanazine	µg/kg	10	NONE	-	-	-	-	-
Diuron	µg/kg	10	NONE	-	-	-	-	-
Linuron	µg/kg	10	NONE	-	-	-	-	-
Methiocarb	µg/kg	10	NONE	-	-	-	-	-
Simazine	µg/kg	10	NONE	-	-	-	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	-	-	-
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543379	543380	543381	543382	543383
Sample Reference				DS30	DS30	DS35	DS22	DS22
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	1.8	0.55	0.2	1
Date Sampled				06/05/2025	06/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	8.2	13	13	7.7
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.3	0.3
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	6.6	5.3	7.5	6.8	7.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	550	63	72	760	110
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	15	13	29	26	63
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.00771	0.00666	0.0146	0.0131	0.0315
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	7.71	6.66	14.6	13.1	31.5
Total Sulphur	mg/kg	50	MCERTS	220	< 50	< 50	320	< 50
Organic Matter (automated)	%	0.1	MCERTS	4.3	< 0.1	0.3	4.4	0.3
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.21	< 0.05	< 0.05	0.5	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.09	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.37	< 0.05	< 0.05	0.8	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.41	< 0.05	< 0.05	0.77	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.19	< 0.05	< 0.05	0.4	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.21	< 0.05	< 0.05	0.42	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.23	< 0.05	< 0.05	0.46	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.07	< 0.05	< 0.05	0.16	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.19	< 0.05	< 0.05	0.4	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	0.19	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.13	< 0.05	< 0.05	0.22	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.1	< 0.80	< 0.80	4.42	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.8	1.9	2	12	2.7
Barium (aqua regia extractable)	mg/kg	1	MCERTS	38	14	29	64	16
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.41	0.49	0.46	0.66	0.28
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.2	0.3	1	0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2	< 0.2	< 0.2	0.5	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	8.7	19	17	9.7

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543379	543380	543381	543382	543383
Sample Reference				DS30	DS30	DS35	DS22	DS22
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	1.8	0.55	0.2	1
Date Sampled				06/05/2025	06/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Copper (aqua regia extractable)	mg/kg	1	MCERTS	27	5.9	12	45	6.2
Lead (aqua regia extractable)	mg/kg	1	MCERTS	37	2.3	6.7	74	3.3
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.7	5.2	13	13	5.7
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1.5	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	13	17	15	26	10
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	43	11	20	130	14
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543379	543380	543381	543382	543383
Sample Reference				DS30	DS30	DS35	DS22	DS22
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	1.8	0.55	0.2	1
Date Sampled				06/05/2025	06/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	-	-	-	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	-	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	-	-	-
Aldicarb	µg/kg	10	NONE	-	-	-	-	-
Carbofuran	µg/kg	10	NONE	-	-	-	-	-
Fluometuron	µg/kg	10	NONE	-	-	-	-	-
Methomyl	µg/kg	10	NONE	-	-	-	-	-
Oxamyl	µg/kg	10	NONE	-	-	-	-	-
Propoxur	µg/kg	10	NONE	-	-	-	-	-
Siduron	µg/kg	10	NONE	-	-	-	-	-
Terbutryn	µg/kg	10	NONE	-	-	-	-	-
Carbaryl	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543379	543380	543381	543382	543383
Sample Reference				DS30	DS30	DS35	DS22	DS22
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.1	1.8	0.55	0.2	1
Date Sampled				06/05/2025	06/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Diflubenzuron	µg/kg	10	NONE	-	-	-	-	-
Isoproturon	µg/kg	10	NONE	-	-	-	-	-
Prometryn	µg/kg	10	NONE	-	-	-	-	-
Propazine	µg/kg	10	NONE	-	-	-	-	-
Trietazine	µg/kg	10	NONE	-	-	-	-	-
Atrazine	µg/kg	10	NONE	-	-	-	-	-
Chlorotoluron	µg/kg	10	NONE	-	-	-	-	-
Cyanazine	µg/kg	10	NONE	-	-	-	-	-
Diuron	µg/kg	10	NONE	-	-	-	-	-
Linuron	µg/kg	10	NONE	-	-	-	-	-
Methiocarb	µg/kg	10	NONE	-	-	-	-	-
Simazine	µg/kg	10	NONE	-	-	-	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	-	-	-
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543384	543385	543386	543387	543388
Sample Reference				DS31	DS31	DS34	DS34	DS37
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	1	0.3	0.8	0.1
Date Sampled				07/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	11	11	5.8	12
Total mass of sample received	kg	0.1	NONE	0.7	0.3	0.3	0.7	0.6
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.1	8.3	6.8	7.3	6.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	330	150	510	< 50	640
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	38	49	14	5.6	21
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0189	0.0243	0.00684	0.00278	0.0104
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	18.9	24.3	6.84	2.78	10.4
Total Sulphur	mg/kg	50	MCERTS	220	65	210	< 50	320
Organic Matter (automated)	%	0.1	MCERTS	2.9	0.4	3	< 0.1	3.8
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.12	< 0.05	0.37
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.25	< 0.05	0.61
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.25	< 0.05	0.64
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.11	< 0.05	0.29
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.16	< 0.05	0.38
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.16	< 0.05	0.38
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.05	< 0.05	0.19
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.14	< 0.05	0.35
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	< 0.05	0.17
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	< 0.05	0.21
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	1.39	< 0.80	3.66
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.6	5.9	7.9	< 1.0	10
Barium (aqua regia extractable)	mg/kg	1	MCERTS	34	93	46	7.5	59
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.46	0.68	0.51	0.09	0.55
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	0.3	0.5	< 0.2	1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.2	< 0.2	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	21	16	6.2	17

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543384	543385	543386	543387	543388
Sample Reference				DS31	DS31	DS34	DS34	DS37
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	1	0.3	0.8	0.1
Date Sampled				07/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Copper (aqua regia extractable)	mg/kg	1	MCERTS	10	14	24	3.7	30
Lead (aqua regia extractable)	mg/kg	1	MCERTS	13	7.1	42	1.8	54
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	20	12	2.3	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1.3
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	17	22	17	6.1	25
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	23	25	55	7.2	67
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	27	< 10	< 10	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10	-	-	-	< 10
Alachlor	µg/kg	10	NONE	< 10	-	-	-	< 10
Bifenthrin	µg/kg	10	NONE	< 10	-	-	-	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	-	-	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	-	-	< 10
Omethoate	µg/kg	10	NONE	< 10	-	-	-	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10	-	-	-	< 10
Dimethylvinphos	µg/kg	10	NONE	< 10	-	-	-	< 10
Demeton-O	µg/kg	10	NONE	< 10	-	-	-	< 10
Demeton-S	µg/kg	10	NONE	< 10	-	-	-	< 10
Endrin Aldehyde	µg/kg	10	NONE	< 10	-	-	-	< 10
Endrin Ketone	µg/kg	10	NONE	< 10	-	-	-	< 10
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	-	-	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	-	-	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	< 10
Cis-Permethrin	µg/kg	10	NONE	< 10	-	-	-	< 10
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	-	-	< 10
Etrimfos	µg/kg	10	NONE	< 10	-	-	-	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	-	-	< 10
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	< 10
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	-	-	< 10
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	< 10
Propetamphos	µg/kg	10	NONE	< 10	-	-	-	< 10
Tecnazene	µg/kg	10	NONE	< 10	-	-	-	< 10
Triadimefon	µg/kg	10	NONE	< 10	-	-	-	< 10
Trans-Permethrin	µg/kg	10	NONE	< 10	-	-	-	< 10
Aldrin	µg/kg	10	NONE	< 10	-	-	-	< 10
Azinphos-methyl	µg/kg	10	NONE	< 10	-	-	-	< 10
Beta-BHC	µg/kg	10	NONE	< 10	-	-	-	< 10
Cis-Chlordane	µg/kg	10	NONE	< 10	-	-	-	< 10
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	-	-	< 10
Chlorpyrifos	µg/kg	10	NONE	< 10	-	-	-	< 10
Chlorothalonil	µg/kg	10	NONE	< 10	-	-	-	< 10
Carbophenothion	µg/kg	10	NONE	< 10	-	-	-	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	< 10

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543384	543385	543386	543387	543388
Sample Reference				DS31	DS31	DS34	DS34	DS37
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	1	0.3	0.8	0.1
Date Sampled				07/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Delta-BHC	µg/kg	10	NONE	< 10	-	-	-	< 10
Dieldrin	µg/kg	10	NONE	< 10	-	-	-	23
Deltamethrin	µg/kg	10	NONE	< 10	-	-	-	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10	-	-	-	< 10
Endrin	µg/kg	10	NONE	< 10	-	-	-	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	-	-	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	-	-	< 10
Fenthion	µg/kg	10	NONE	< 10	-	-	-	< 10
Isodrin	µg/kg	10	NONE	< 10	-	-	-	< 10
Methacrifos	µg/kg	10	NONE	< 10	-	-	-	< 10
O,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	< 10
O,p'-DDE	µg/kg	10	NONE	< 10	-	-	-	< 10
O,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	< 10
Parathion	µg/kg	10	NONE	< 10	-	-	-	< 10
Parathion-methyl	µg/kg	10	NONE	< 10	-	-	-	< 10
Pendimethalin	µg/kg	10	NONE	< 10	-	-	-	< 10
Phorate	µg/kg	10	NONE	< 10	-	-	-	< 10
Phosalone	µg/kg	10	NONE	< 10	-	-	-	< 10
P,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	< 10
P,p'-DDE	µg/kg	10	NONE	< 10	-	-	-	< 10
P,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	< 10	-	-	-	< 10
Propyzamide	µg/kg	10	NONE	< 10	-	-	-	< 10
Triazophos	µg/kg	10	NONE	< 10	-	-	-	< 10
Trans-Chlordane	µg/kg	10	NONE	< 10	-	-	-	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	< 10
Dichlorvos	µg/kg	10	NONE	< 10	-	-	-	< 10
Dimethoate	µg/kg	10	NONE	< 10	-	-	-	< 10
Diazinon	µg/kg	10	NONE	< 10	-	-	-	< 10
Ethion	µg/kg	10	NONE	< 10	-	-	-	< 10
Fenitrothion	µg/kg	10	NONE	< 10	-	-	-	< 10
Malathion	µg/kg	10	NONE	< 10	-	-	-	< 10
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	-	-	< 10
Trifluralin	µg/kg	10	NONE	< 10	-	-	-	< 10
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	< 10
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	< 10	-	-	-	< 10
Tebuthiuron	µg/kg	10	NONE	< 10	-	-	-	< 10
Thiadiazuron	µg/kg	10	NONE	< 10	-	-	-	< 10
Aldicarb Sulfone	µg/kg	10	NONE	< 10	-	-	-	< 10
Aldicarb Sulfoxide	µg/kg	10	NONE	< 10	-	-	-	< 10
Aldicarb	µg/kg	10	NONE	< 10	-	-	-	< 10
Carbofuran	µg/kg	10	NONE	< 10	-	-	-	< 10
Fluometuron	µg/kg	10	NONE	< 10	-	-	-	< 10
Methomyl	µg/kg	10	NONE	< 10	-	-	-	< 10
Oxamyl	µg/kg	10	NONE	< 10	-	-	-	< 10
Propoxur	µg/kg	10	NONE	< 10	-	-	-	< 10
Siduron	µg/kg	10	NONE	< 10	-	-	-	< 10
Terbutryn	µg/kg	10	NONE	< 10	-	-	-	< 10
Carbaryl	µg/kg	10	NONE	< 10	-	-	-	< 10

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543384	543385	543386	543387	543388
Sample Reference				DS31	DS31	DS34	DS34	DS37
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	1	0.3	0.8	0.1
Date Sampled				07/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Diflubenzuron	µg/kg	10	NONE	< 10	-	-	-	< 10
Isoproturon	µg/kg	10	NONE	< 10	-	-	-	< 10
Prometryn	µg/kg	10	NONE	< 10	-	-	-	< 10
Propazine	µg/kg	10	NONE	< 10	-	-	-	< 10
Trietazine	µg/kg	10	NONE	< 10	-	-	-	< 10
Atrazine	µg/kg	10	NONE	< 10	-	-	-	< 10
Chlorotoluron	µg/kg	10	NONE	< 10	-	-	-	< 10
Cyanazine	µg/kg	10	NONE	< 10	-	-	-	< 10
Diuron	µg/kg	10	NONE	< 10	-	-	-	< 10
Linuron	µg/kg	10	NONE	< 10	-	-	-	< 10
Methiocarb	µg/kg	10	NONE	< 10	-	-	-	< 10
Simazine	µg/kg	10	NONE	< 10	-	-	-	< 10
Terbuthylazine	µg/kg	10	NONE	< 10	-	-	-	< 10
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	0.2	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	< 0.1	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	< 0.1	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543389	543390	543391	543392	543393
Sample Reference				DS37	DS38	DS38	DS37	DS26
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	0.15	0.4	0.5	0.2
Date Sampled				06/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5	16	11	11	10
Total mass of sample received	kg	0.1	NONE	0.7	1.1	1.1	1.1	1.1
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.2	6.7	6	6.8	7.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	58	850	150	74	510
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	6.7	20	22	10	39
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.00336	0.01	0.0108	0.0052	0.0192
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	3.36	10	10.8	5.2	19.2
Total Sulphur	mg/kg	50	MCERTS	< 50	470	61	58	170
Organic Matter (automated)	%	0.1	MCERTS	0.2	7.5	0.6	1	1.9
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.62	< 0.05	< 0.05	0.17
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.12	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.2	< 0.05	< 0.05	0.45
Pyrene	mg/kg	0.05	MCERTS	< 0.05	1.2	< 0.05	< 0.05	0.42
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.57	< 0.05	< 0.05	0.23
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.6	< 0.05	< 0.05	0.26
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.76	< 0.05	< 0.05	0.3
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.24	< 0.05	< 0.05	0.13
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.64	< 0.05	< 0.05	0.28
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.3	< 0.05	< 0.05	0.15
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.06	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.36	< 0.05	< 0.05	0.16
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	6.66	< 0.80	< 0.80	2.56
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	1.1	13	2.6	2.1	7.4
Barium (aqua regia extractable)	mg/kg	1	MCERTS	14	61	39	28	46
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.17	0.83	0.38	0.46	0.5
Boron (water soluble)	mg/kg	0.2	MCERTS	0.2	1.1	0.5	0.5	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.4	< 0.2	< 0.2	0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	7.9	17	22	21	18

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543389	543390	543391	543392	543393
Sample Reference				DS37	DS38	DS38	DS37	DS26
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	0.15	0.4	0.5	0.2
Date Sampled				06/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Copper (aqua regia extractable)	mg/kg	1	MCERTS	4.2	55	16	16	37
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2.3	73	7.7	7	39
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	4.3	14	15	12	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	7.6	19	19	21	20
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	11	80	26	22	83
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	< 10	1400	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543389	543390	543391	543392	543393
Sample Reference				DS37	DS38	DS38	DS37	DS26
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	0.15	0.4	0.5	0.2
Date Sampled				06/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	-	-	-	-	-
Tebuthiuron	µg/kg	10	NONE	-	-	-	-	-
Thiadiazuron	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	-	-	-
Aldicarb	µg/kg	10	NONE	-	-	-	-	-
Carbofuran	µg/kg	10	NONE	-	-	-	-	-
Fluometuron	µg/kg	10	NONE	-	-	-	-	-
Methomyl	µg/kg	10	NONE	-	-	-	-	-
Oxamyl	µg/kg	10	NONE	-	-	-	-	-
Propoxur	µg/kg	10	NONE	-	-	-	-	-
Siduron	µg/kg	10	NONE	-	-	-	-	-
Terbutryn	µg/kg	10	NONE	-	-	-	-	-
Carbaryl	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543389	543390	543391	543392	543393
Sample Reference				DS37	DS38	DS38	DS37	DS26
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.5	0.15	0.4	0.5	0.2
Date Sampled				06/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Diflubenzuron	µg/kg	10	NONE	-	-	-	-	-
Isoproturon	µg/kg	10	NONE	-	-	-	-	-
Prometryn	µg/kg	10	NONE	-	-	-	-	-
Propazine	µg/kg	10	NONE	-	-	-	-	-
Trietazine	µg/kg	10	NONE	-	-	-	-	-
Atrazine	µg/kg	10	NONE	-	-	-	-	-
Chlorotoluron	µg/kg	10	NONE	-	-	-	-	-
Cyanazine	µg/kg	10	NONE	-	-	-	-	-
Diuron	µg/kg	10	NONE	-	-	-	-	-
Linuron	µg/kg	10	NONE	-	-	-	-	-
Methiocarb	µg/kg	10	NONE	-	-	-	-	-
Simazine	µg/kg	10	NONE	-	-	-	-	-
Terbuthylazine	µg/kg	10	NONE	-	-	-	-	-
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543394	543395
Sample Reference				DS26	DS27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				1	0.2
Date Sampled				07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5.4	14
Total mass of sample received	kg	0.1	NONE	1.1	1.1
General Inorganics					
pH (L099)	pH Units	N/A	MCERTS	7.4	7.2
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	< 50	500
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	29	71
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0145	0.0353
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	14.5	35.3
Total Sulphur	mg/kg	50	MCERTS	< 50	340
Organic Matter (automated)	%	0.1	MCERTS	< 0.1	4.2
Total Phenols					
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0
Speciated PAHs					
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.06
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.45
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.09
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.2
Pyrene	mg/kg	0.05	MCERTS	< 0.05	1.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.62
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.66
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.75
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.33
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.67
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.33
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.07
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.36
Total PAH					
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	6.66
Heavy Metals / Metalloids					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	1.1	14
Barium (aqua regia extractable)	mg/kg	1	MCERTS	11	81
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.22	0.76
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	1.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	5	23

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543394	543395
Sample Reference				DS26	DS27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				1	0.2
Date Sampled				07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Copper (aqua regia extractable)	mg/kg	1	MCERTS	7.7	89
Lead (aqua regia extractable)	mg/kg	1	MCERTS	1.7	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.2	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.3
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	5.8	28
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	9	220
Petroleum Hydrocarbons					
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	21
Pesticides (GC-MS)					
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-
Alachlor	µg/kg	10	NONE	-	-
Bifenthrin	µg/kg	10	NONE	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-
Omethoate	µg/kg	10	NONE	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-
Demeton-O	µg/kg	10	NONE	-	-
Demeton-S	µg/kg	10	NONE	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-
Endrin Ketone	µg/kg	10	NONE	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-
Etrimfos	µg/kg	10	NONE	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-
Propetamphos	µg/kg	10	NONE	-	-
Tecnazene	µg/kg	10	NONE	-	-
Triadimefon	µg/kg	10	NONE	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-
Aldrin	µg/kg	10	NONE	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-
Beta-BHC	µg/kg	10	NONE	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-
Chlorothalonil	µg/kg	10	NONE	-	-
Carbophenothion	µg/kg	10	NONE	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543394	543395
Sample Reference				DS26	DS27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				1	0.2
Date Sampled				07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Delta-BHC	µg/kg	10	NONE	-	-
Dieldrin	µg/kg	10	NONE	-	-
Deltamethrin	µg/kg	10	NONE	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-
Endrin	µg/kg	10	NONE	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-
Fenthion	µg/kg	10	NONE	-	-
Isodrin	µg/kg	10	NONE	-	-
Methacrifos	µg/kg	10	NONE	-	-
O,p'-DDD	µg/kg	10	NONE	-	-
O,p'-DDE	µg/kg	10	NONE	-	-
O,p'-DDT	µg/kg	10	NONE	-	-
Parathion	µg/kg	10	NONE	-	-
Parathion-methyl	µg/kg	10	NONE	-	-
Pendimethalin	µg/kg	10	NONE	-	-
Phorate	µg/kg	10	NONE	-	-
Phosalone	µg/kg	10	NONE	-	-
P,p'-DDD	µg/kg	10	NONE	-	-
P,p'-DDE	µg/kg	10	NONE	-	-
P,p'-DDT	µg/kg	10	NONE	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-
Propyzamide	µg/kg	10	NONE	-	-
Triazophos	µg/kg	10	NONE	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-
Dichlorvos	µg/kg	10	NONE	-	-
Dimethoate	µg/kg	10	NONE	-	-
Diazinon	µg/kg	10	NONE	-	-
Ethion	µg/kg	10	NONE	-	-
Fenitrothion	µg/kg	10	NONE	-	-
Malathion	µg/kg	10	NONE	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-
Trifluralin	µg/kg	10	NONE	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-
Pesticides (LC-MS)					
Carbofuran, 3-OH	µg/kg	10	NONE	-	-
Tebuthiuron	µg/kg	10	NONE	-	-
Thiadiazuron	µg/kg	10	NONE	-	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-
Aldicarb	µg/kg	10	NONE	-	-
Carbofuran	µg/kg	10	NONE	-	-
Fluometuron	µg/kg	10	NONE	-	-
Methomyl	µg/kg	10	NONE	-	-
Oxamyl	µg/kg	10	NONE	-	-
Propoxur	µg/kg	10	NONE	-	-
Siduron	µg/kg	10	NONE	-	-
Terbutryn	µg/kg	10	NONE	-	-
Carbaryl	µg/kg	10	NONE	-	-

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Analytical Report Number: 25-024376
Project / Site name: ILP North

Lab Sample Number				543394	543395
Sample Reference				DS26	DS27
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				1	0.2
Date Sampled				07/05/2025	07/05/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Diflubenzuron	µg/kg	10	NONE	-	-
Isoproturon	µg/kg	10	NONE	-	-
Prometryn	µg/kg	10	NONE	-	-
Propazine	µg/kg	10	NONE	-	-
Trietazine	µg/kg	10	NONE	-	-
Atrazine	µg/kg	10	NONE	-	-
Chlorotoluron	µg/kg	10	NONE	-	-
Cyanazine	µg/kg	10	NONE	-	-
Diuron	µg/kg	10	NONE	-	-
Linuron	µg/kg	10	NONE	-	-
Methiocarb	µg/kg	10	NONE	-	-
Simazine	µg/kg	10	NONE	-	-
Terbuthylazine	µg/kg	10	NONE	-	-
PFAS					
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-024376
Project / Site name: ILP North

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
543369	DS20	None Supplied	0.4	Brown loam and sand with vegetation
543370	DS20	None Supplied	0.7	Brown clay and sand
543371	DS19	None Supplied	0.3	Brown sand with stones
543372	DS19	None Supplied	0.8	Brown sand
543373	DS20	None Supplied	0.1	Brown sand
543374	DS20	None Supplied	0.3	Brown sand
543375	DS32	None Supplied	0.1	Brown sand
543376	DS32	None Supplied	0.5	Brown clay and sand
543377	DS33	None Supplied	0.3	Brown sand
543378	DS33	None Supplied	1.2	Brown clay and sand
543379	DS30	None Supplied	0.1	Brown sand
543380	DS30	None Supplied	1.8	Brown sand
543381	DS35	None Supplied	0.55	Brown sand
543382	DS22	None Supplied	0.2	Brown sand
543383	DS22	None Supplied	1	Brown sand
543384	DS31	None Supplied	0.5	Brown sand
543385	DS31	None Supplied	1	Brown clay and sand
543386	DS34	None Supplied	0.3	Brown clay and sand
543387	DS34	None Supplied	0.8	Brown sand
543388	DS37	None Supplied	0.1	Brown clay and sand
543389	DS37	None Supplied	0.5	Brown sand
543390	DS38	None Supplied	0.15	Brown sand
543391	DS38	None Supplied	0.4	Brown clay and sand
543392	DS37	None Supplied	0.5	Brown clay and sand
543393	DS26	None Supplied	0.2	Brown clay and sand with vegetation
543394	DS26	None Supplied	1	Brown sand with gravel
543395	DS27	None Supplied	0.2	Brown clay and sand with gravel

Analytical Report Number : 25-024376
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025

Analytical Report Number : 25-024376
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
PFAS in soil by LC-MS/MS	Determination of PFAS in soil by LC-MS/MS	In-house method	L117B	W	NONE
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Pesticides by LC-MS	Detemination of Pesticides in soil by LC-MS	In-house method	L056B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 25-028406

Project / Site name:	ILP North	**Samples received on:**	23/05/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	29/05/2025
Your order number:	11636	**Analysis completed by:**	09/06/2025
Report Issue Number:	1	**Report issued on:**	09/06/2025
Samples Analysed:	5 soil samples		

Signed:

Joanna Wawrzeczko
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-028406
Project / Site name: ILP North

Lab Sample Number				564893	564894	564895	564896	564897
Sample Reference				RO07	RO07	RO04	RO01	RO01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.7	0.2	0.5	1.5
Date Sampled				19/05/2025	19/05/2025	20/05/2025	21/05/2025	21/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	8.2	3	7.7	1.7	2.2
Total mass of sample received	kg	0.1	NONE	0.1	0.1	0.1	0.1	0.1
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.6	8	8.2	6.6	7.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	440	240	450	230	220
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	34	29	44	6.6	20
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.017	0.0144	0.0218	0.00332	0.0101
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	17	14.4	21.8	3.32	10.1
Total Sulphur	mg/kg	50	MCERTS	240	85	270	83	76
Organic Matter (automated)	%	0.1	MCERTS	2.6	0.2	3.7	0.7	0.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.1	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.2	< 0.05	0.08	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.2	< 0.05	0.06	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.11	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.15	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.11	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	0.86	< 0.80	< 0.80	< 0.80	< 0.80

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Analytical Report Number: 25-028406
Project / Site name: ILP North

Lab Sample Number				564893	564894	564895	564896	564897
Sample Reference				RO07	RO07	RO04	RO01	RO01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.7	0.2	0.5	1.5
Date Sampled				19/05/2025	19/05/2025	20/05/2025	21/05/2025	21/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.1	1.5	6.2	< 1.0	< 1.0
Barium (aqua regia extractable)	mg/kg	1	MCERTS	51	15	53	13	5.9
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.46	0.2	0.44	< 0.06	0.08
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.3	0.3	0.2	< 0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.2	< 0.2	0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	11	20	5.8	7.9
Copper (aqua regia extractable)	mg/kg	1	MCERTS	21	5.7	18	5	6.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	27	4.2	26	1.8	3.3
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	6.7	10	2	4.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	23	18	20	2.5	4.7
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	45	12	35	6.3	7.7
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Pesticides (GC-MS)								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	< 10	-
Alachlor	µg/kg	10	NONE	-	-	< 10	< 10	-
Bifenthrin	µg/kg	10	NONE	-	-	< 10	< 10	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	< 10	< 10	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	< 10	-
Omethoate	µg/kg	10	NONE	-	-	< 10	< 10	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	< 10	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	< 10	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	< 10	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	< 10	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	< 10	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	< 10	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	< 10	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	< 10	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	< 10	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	< 10	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	< 10	-
Cis-Permethrin	µg/kg	10	NONE	-	-	< 10	< 10	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	< 10	-
Etrimfos	µg/kg	10	NONE	-	-	< 10	< 10	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	< 10	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	< 10	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	< 10	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	< 10	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	< 10	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	< 10	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	< 10	-
Triadimefon	µg/kg	10	NONE	-	-	< 10	< 10	-
Trans-Permethrin	µg/kg	10	NONE	-	-	< 10	< 10	-

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Analytical Report Number: 25-028406
Project / Site name: ILP North

Lab Sample Number				564893	564894	564895	564896	564897
Sample Reference				RO07	RO07	RO04	RO01	RO01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.7	0.2	0.5	1.5
Date Sampled				19/05/2025	19/05/2025	20/05/2025	21/05/2025	21/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Aldrin	µg/kg	10	NONE	-	-	< 10	< 10	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	< 10	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	< 10	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	< 10	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	< 10	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	< 10	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	< 10	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	< 10	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	< 10	< 10	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	< 10	-
Dieldrin	µg/kg	10	NONE	-	-	110	< 10	-
Deltamethrin	µg/kg	10	NONE	-	-	< 10	< 10	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	< 10	-
Endrin	µg/kg	10	NONE	-	-	< 10	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	< 10	-
Fenthion	µg/kg	10	NONE	-	-	< 10	< 10	-
Isodrin	µg/kg	10	NONE	-	-	< 10	< 10	-
Methacrifos	µg/kg	10	NONE	-	-	< 10	< 10	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	< 10	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	< 10	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	< 10	-
Parathion	µg/kg	10	NONE	-	-	< 10	< 10	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	< 10	-
Pendimethalin	µg/kg	10	NONE	-	-	16	< 10	-
Phorate	µg/kg	10	NONE	-	-	< 10	< 10	-
Phosalone	µg/kg	10	NONE	-	-	< 10	< 10	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	< 10	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	< 10	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	< 10	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	< 10	-
Propyzamide	µg/kg	10	NONE	-	-	< 10	< 10	-
Triazophos	µg/kg	10	NONE	-	-	< 10	< 10	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	< 10	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	< 10	< 10	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	< 10	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	< 10	-
Diazinon	µg/kg	10	NONE	-	-	< 10	< 10	-
Ethion	µg/kg	10	NONE	-	-	< 10	< 10	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	< 10	-
Malathion	µg/kg	10	NONE	-	-	< 10	< 10	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	< 10	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	< 10	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	< 10	-

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Analytical Report Number: 25-028406
Project / Site name: ILP North

Lab Sample Number				564893	564894	564895	564896	564897
Sample Reference				RO07	RO07	RO04	RO01	RO01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.3	0.7	0.2	0.5	1.5
Date Sampled				19/05/2025	19/05/2025	20/05/2025	21/05/2025	21/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides (LC-MS)								
Carbofuran, 3-OH	µg/kg	10	NONE	-	-	< 10	< 10	-
Tebuthiuron	µg/kg	10	NONE	-	-	< 10	< 10	-
Thiadiazuron	µg/kg	10	NONE	-	-	< 10	< 10	-
Aldicarb Sulfone	µg/kg	10	NONE	-	-	< 10	< 10	-
Aldicarb Sulfoxide	µg/kg	10	NONE	-	-	< 10	< 10	-
Aldicarb	µg/kg	10	NONE	-	-	< 10	< 10	-
Carbofuran	µg/kg	10	NONE	-	-	< 10	< 10	-
Fluometuron	µg/kg	10	NONE	-	-	< 10	< 10	-
Methomyl	µg/kg	10	NONE	-	-	< 10	< 10	-
Oxamyl	µg/kg	10	NONE	-	-	< 10	< 10	-
Propoxur	µg/kg	10	NONE	-	-	< 10	< 10	-
Siduron	µg/kg	10	NONE	-	-	< 10	< 10	-
Terbutryn	µg/kg	10	NONE	-	-	< 10	< 10	-
Carbaryl	µg/kg	10	NONE	-	-	< 10	< 10	-
Diflubenzuron	µg/kg	10	NONE	-	-	< 10	< 10	-
Isoproturon	µg/kg	10	NONE	-	-	< 10	< 10	-
Prometryn	µg/kg	10	NONE	-	-	< 10	< 10	-
Propazine	µg/kg	10	NONE	-	-	< 10	< 10	-
Trietazine	µg/kg	10	NONE	-	-	< 10	< 10	-
Atrazine	µg/kg	10	NONE	-	-	< 10	< 10	-
Chlorotoluron	µg/kg	10	NONE	-	-	< 10	< 10	-
Cyanazine	µg/kg	10	NONE	-	-	< 10	< 10	-
Diuron	µg/kg	10	NONE	-	-	< 10	< 10	-
Linuron	µg/kg	10	NONE	-	-	< 10	< 10	-
Methiocarb	µg/kg	10	NONE	-	-	< 10	< 10	-
Simazine	µg/kg	10	NONE	-	-	< 10	< 10	-
Terbuthylazine	µg/kg	10	NONE	-	-	< 10	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-028406
Project / Site name: ILP North

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
564893	RO07	None Supplied	0.3	Brown loam and sand with gravel
564894	RO07	None Supplied	0.7	Brown loam and sand with gravel
564895	RO04	None Supplied	0.2	Brown clay and loam with gravel
564896	RO01	None Supplied	0.5	Brown loam and sand with gravel
564897	RO01	None Supplied	1.5	Brown sand with gravel

Analytical Report Number : 25-028406
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025

Analytical Report Number : 25-028406
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Pesticides by LC-MS	Detemination of Pesticides in soil by LC-MS	In-house method	L056B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

Analytical Report Number : 25-028406
Project / Site name: ILP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
RO04	N/A	S	564895	c	Complex Cyanide in soil	L080-PL	c
RO04	N/A	S	564895	c	Free cyanide in soil	L080-PL	c
RO04	N/A	S	564895	c	Monohydric phenols in soil	L080-PL	c
RO04	N/A	S	564895	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
RO04	N/A	S	564895	c	Total cyanide in soil	L080-PL	c
RO04	N/A	S	564895	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
RO04	N/A	S	564895	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
RO07	N/A	S	564893	c	Complex Cyanide in soil	L080-PL	c
RO07	N/A	S	564893	c	Free cyanide in soil	L080-PL	c
RO07	N/A	S	564893	c	Monohydric phenols in soil	L080-PL	c
RO07	N/A	S	564893	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
RO07	N/A	S	564893	c	Total cyanide in soil	L080-PL	c
RO07	N/A	S	564893	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
RO07	N/A	S	564893	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c
RO07	N/A	S	564894	c	Complex Cyanide in soil	L080-PL	c
RO07	N/A	S	564894	c	Free cyanide in soil	L080-PL	c
RO07	N/A	S	564894	c	Monohydric phenols in soil	L080-PL	c
RO07	N/A	S	564894	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
RO07	N/A	S	564894	c	Total cyanide in soil	L080-PL	c
RO07	N/A	S	564894	c	Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	L076B/L088-PL	c
RO07	N/A	S	564894	c	Total petroleum hydrocarbons by HS-GC-MS in soil	L129-PL	c

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Analytical Report Number : 25-034813

Project / Site name:	ILP North	**Samples received on:**	26/06/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	02/07/2025
Your order number:	11636	**Analysis completed by:**	11/07/2025
Report Issue Number:	1	**Report issued on:**	11/07/2025
Samples Analysed:	8 soil samples		

Signed:

Joanna Wawrzeczko
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-034813
Project / Site name: ILP North

Lab Sample Number				600437	600438	600439	600440	600441
Sample Reference				DS39	DS39	DS40	DS41	DS41
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				23/06/2025	23/06/2025	23/06/2025	24/06/2025	24/06/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	5.3	11	17	16
Total mass of sample received	kg	0.1	NONE	1.1	1.1	1.1	1.1	1.1
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.3	8.3	7.3	7.1	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	310	160	380	680	290
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	13	5.3	14	34	26
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.00628	0.00266	0.00673	0.0167	0.0131
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	6.28	2.66	6.73	16.7	13.1
Total Sulphur	mg/kg	50	MCERTS	180	< 50	190	340	110
Organic Matter (automated)	%	0.1	MCERTS	2	< 0.1	2.5	2.9	0.7
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.08	< 0.05	0.09	0.09	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	0.08	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	0.09	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.21	< 0.05	0.16	0.57	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.1	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.49	< 0.05	0.18	1.1	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.45	< 0.05	0.18	1	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.25	< 0.05	0.09	0.51	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.27	< 0.05	0.11	0.64	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.27	< 0.05	0.13	0.64	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.14	< 0.05	0.05	0.39	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.22	< 0.05	0.08	0.6	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.13	< 0.05	0.06	0.34	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.07	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.14	< 0.05	0.08	0.42	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.63	< 0.80	1.38	6.65	< 0.80

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 25-034813
Project / Site name: ILP North

Lab Sample Number				600437	600438	600439	600440	600441
Sample Reference				DS39	DS39	DS40	DS41	DS41
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				23/06/2025	23/06/2025	23/06/2025	24/06/2025	24/06/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	15	3.1	12	18	8.9
Barium (aqua regia extractable)	mg/kg	1	MCERTS	60	14	54	97	48
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.67	0.25	0.78	1.1	0.61
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	< 0.2	0.4	0.8	0.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	< 0.2	0.3	0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	19	13	19	35	34
Copper (aqua regia extractable)	mg/kg	1	MCERTS	48	9	42	70	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	67	4	67	120	8.1
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	10	16	27	23
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1	< 1.0	< 1.0	1.2	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	26	11	27	46	34
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	83	16	85	96	36
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10	< 10	< 10	18	< 10
PFAS								
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-034813
Project / Site name: ILP North

Lab Sample Number				600442	600443	600444
Sample Reference				TP65	TP65	TP67B
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				24/06/2025	24/06/2025	24/06/2025
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**			
Stone Content	%	0.1	NONE	56	< 0.1	68.2
Moisture Content	%	0.01	NONE	8	15	8.1
Total mass of sample received	kg	0.1	NONE	1.1	1.1	1.1
General Inorganics						
pH (L099)	pH Units	N/A	MCERTS	8.2	7.7	9.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	1000	1600	2300
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	340	480	840
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.172	0.24	0.422
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	172	240	422
Total Sulphur	mg/kg	50	MCERTS	1200	1100	1200
Organic Matter (automated)	%	0.1	MCERTS	2.8	4	2.1
Total Phenols						
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Speciated PAHs						
Naphthalene	mg/kg	0.05	MCERTS	0.74	0.56	0.9
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.08	0.1	0.26
Fluorene	mg/kg	0.05	MCERTS	0.07	0.07	0.24
Phenanthrene	mg/kg	0.05	MCERTS	0.41	0.45	1.4
Anthracene	mg/kg	0.05	MCERTS	0.06	0.08	0.33
Fluoranthene	mg/kg	0.05	MCERTS	0.44	0.57	0.88
Pyrene	mg/kg	0.05	MCERTS	0.43	0.57	0.74
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.21	0.3	0.34
Chrysene	mg/kg	0.05	MCERTS	0.23	0.33	0.37
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.26	0.41	0.32
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.11	0.15	0.12
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.22	0.34	0.27
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.13	0.19	0.13
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.16	0.24	0.19
Total PAH						
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	3.54	4.36	6.51

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Analytical Report Number: 25-034813
Project / Site name: ILP North

Lab Sample Number				600442	600443	600444
Sample Reference				TP65	TP65	TP67B
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				24/06/2025	24/06/2025	24/06/2025
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**			
Heavy Metals / Metalloids						
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.1	12	8.2
Barium (aqua regia extractable)	mg/kg	1	MCERTS	71	91	280
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.41	0.6	0.8
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	0.8	3.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	11	17	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	23	30	39
Lead (aqua regia extractable)	mg/kg	1	MCERTS	32	47	28
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	14	23
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	1
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	14	22	19
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	44	65	110
Petroleum Hydrocarbons						
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	< 10	< 10	78
PFAS						
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-	0.1	< 0.1
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-1	µg/kg	0.1	NONE	-	< 0.1	< 0.1
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-	< 0.1	< 0.1

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number : 25-034813
Project / Site name: ILP North

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
600437	DS39	None Supplied	None Supplied	Brown clay and loam with gravel and vegetation
600438	DS39	None Supplied	None Supplied	Light brown sandy clay
600439	DS40	None Supplied	None Supplied	Brown clay and loam with gravel and vegetation
600440	DS41	None Supplied	None Supplied	Brown clay and loam with gravel and vegetation
600441	DS41	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
600442	TP65	None Supplied	None Supplied	Brown clay and sand with gravel and stones
600443	TP65	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation
600444	TP67B	None Supplied	None Supplied	Brown clay and sand with gravel and vegetation

Analytical Report Number : 25-034813
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025

Analytical Report Number : 25-034813
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
PFAS in soil by LC-MS/MS	Determination of PFAS in soil by LC-MS/MS	In-house method	L117B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 25-036671

Project / Site name:	ILP North	**Samples received on:**	10/07/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	10/07/2025
Your order number:	11636	**Analysis completed by:**	17/07/2025
Report Issue Number:	1	**Report issued on:**	18/07/2025
Samples Analysed:	12 soil samples		

Signed:

Rafał Szczepańczyk
Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-036671
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				610722	610723	610724	610725	610726
Sample Reference				DS14A	TP43A	RO01A	DS11A	DS26A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.20	0.20	0.20	0.20
Date Sampled				09/07/2025	09/07/2025	09/07/2025	09/07/2025	09/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	-	-	-	-	-
Moisture Content	%	0.01	NONE	-	-	-	-	-
Total mass of sample received	kg	0.1	NONE	-	-	-	-	-
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	SPU	SPU
Analysis completed	N/A	N/A	N/A	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	mg/kg	50	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-	-	-	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	-	-	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	-	-	-	-
Total Sulphur	mg/kg	50	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	-

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Analytical Report Number: 25-036671
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				610722	610723	610724	610725	610726
Sample Reference				DS14A	TP43A	RO01A	DS11A	DS26A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.20	0.20	0.20	0.20
Date Sampled				09/07/2025	09/07/2025	09/07/2025	09/07/2025	09/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	-	-	-	-	-
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-036671
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				610727	610728	610729	610730	610731
Sample Reference				DS27A	TP71A	DS17A	DS09A	TP17A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.20	0.20	0.20	0.20
Date Sampled				09/07/2025	09/07/2025	09/07/2025	09/07/2025	09/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	-	-	-	-	< 0.1
Moisture Content	%	0.01	NONE	-	-	-	-	11
Total mass of sample received	kg	0.1	NONE	-	-	-	-	0.9
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	SPU	SPU
Analysis completed	N/A	N/A	N/A	17/07/2025	17/07/2025	17/07/2025	17/07/2025	17/07/2025
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	-	-	-	-	8.1
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	-	-	-	-	410
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-	-	-	52
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	-	-	0.0259
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	-	-	-	25.9
Total Sulphur	mg/kg	50	MCERTS	-	-	-	-	260
Organic Matter (automated)	%	0.1	MCERTS	-	-	-	-	3.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	0.05
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	0.06
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	< 0.80

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Analytical Report Number: 25-036671
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				610727	610728	610729	610730	610731
Sample Reference				DS27A	TP71A	DS17A	DS09A	TP17A
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.20	0.20	0.20	0.20	0.20
Date Sampled				09/07/2025	09/07/2025	09/07/2025	09/07/2025	09/07/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	5.1
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	57
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	0.54
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	19
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	1.1
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	27
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	41
Petroleum Hydrocarbons								
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	-	-	-	-	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	-	-	-	24

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-036671
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				610732	610733
Sample Reference				TP32S	DS06A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.20	0.20
Date Sampled				09/07/2025	09/07/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Stone Content	%	0.1	NONE	-	-
Moisture Content	%	0.01	NONE	-	-
Total mass of sample received	kg	0.1	NONE	-	-

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	OGR	OGR
Analysis completed	N/A	N/A	N/A	17/07/2025	17/07/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-
Total Sulphate as SO_4	mg/kg	50	MCERTS	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	-
Total Sulphur	mg/kg	50	MCERTS	-	-
Organic Matter (automated)	%	0.1	MCERTS	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-

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Analytical Report Number: 25-036671
Project / Site name: ILP North
Your Order No: 11636

Lab Sample Number				610732	610733
Sample Reference				TP32S	DS06A
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.20	0.20
Date Sampled				09/07/2025	09/07/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Heavy Metals / Metalloids					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Petroleum Hydrocarbons					
Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	-	-
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-036671
Project / Site name: ILP North

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
610731	TP17A	None Supplied	0.2	Brown sand with gravel

Analytical Report Number : 25-036671
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Total petroleum hydrocarbons by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS	In-house method	L076B/L088-PL	D/W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

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Analytical Report Number : 25-036671
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total petroleum hydrocarbons by HS-GC-MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC-MS	In-house method	L129-PL	W	ISO 17025
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number: 25-036671

Project / Site name: ILP North

Your Order No: 11636

STRATA ME REMAKRS: TOPSOIL

Lab Sample Number				539285
Sample Reference				DS01
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.2
Date Sampled				28/04/2025
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	5.4
Total mass of sample received	kg	0.1	NONE	0.1

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	
Asbestos Analyst ID	N/A	N/A	N/A	
Analysis completed	N/A	N/A	N/A	

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Complex Cyanide	mg/kg	1	MCERTS	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0
Total Sulphate as SO_4	mg/kg	50	MCERTS	750
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	50
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0248
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	24.8
Total Sulphur	mg/kg	50	MCERTS	340
Organic Matter (automated)	%	0.1	MCERTS	4.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05

Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.12
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.25
Pyrene	mg/kg	0.05	MCERTS	0.24
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.12
Chrysene	mg/kg	0.05	MCERTS	0.15
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.19
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.06
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.15
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.08
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.08

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.43

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.7
Barium (aqua regia extractable)	mg/kg	1	MCERTS	71
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.66
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	25
Lead (aqua regia extractable)	mg/kg	1	MCERTS	39
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	27
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	57

Petroleum Hydrocarbons

Petroleum Range Organics (EC6 - EC10) $_{HS\_1D\_TOTAL}$	mg/kg	1	ISO 17025	< 1.0
TPH (EC10 - EC40) $_{EH\_CU\_1D\_TOTAL}$	mg/kg	10	MCERTS	180

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10
Alachlor	µg/kg	10	NONE	< 10
Bifenthrin	µg/kg	10	NONE	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10
Omethoate	µg/kg	10	NONE	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10

Dimethylvinphos	µg/kg	10	NONE	< 10
Demeton-O	µg/kg	10	NONE	< 10
Demeton-S	µg/kg	10	NONE	< 10
Endrin Aldehyde	µg/kg	10	NONE	< 10
Endrin Ketone	µg/kg	10	NONE	< 10
Hexachlorobutadiene	µg/kg	10	NONE	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10
Cis-Permethrin	µg/kg	10	NONE	< 10
Endosulfan sulfate	µg/kg	10	NONE	< 10
Etrimfos	µg/kg	10	NONE	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	< 10
Hexachlorobenzene	µg/kg	10	NONE	< 10
Mevinphos, E+Z	µg/kg	10	NONE	< 10
Pentachlorobenzene	µg/kg	10	NONE	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	< 10
Propetamphos	µg/kg	10	NONE	< 10
Tecnazene	µg/kg	10	NONE	< 10
Triadimefon	µg/kg	10	NONE	< 10
Trans-Permethrin	µg/kg	10	NONE	< 10
Aldrin	µg/kg	10	NONE	< 10
Azinphos-methyl	µg/kg	10	NONE	< 10
Beta-BHC	µg/kg	10	NONE	< 10
Cis-Chlordane	µg/kg	10	NONE	< 10
Chlorfenvinphos	µg/kg	10	NONE	< 10
Chlorpyrifos	µg/kg	10	NONE	< 10
Chlorothalonil	µg/kg	10	NONE	< 10
Carbophenothion	µg/kg	10	NONE	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10
Delta-BHC	µg/kg	10	NONE	< 10
Dieldrin	µg/kg	10	NONE	30
Deltamethrin	µg/kg	10	NONE	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10
Endrin	µg/kg	10	NONE	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10
Fenthion	µg/kg	10	NONE	< 10
Isodrin	µg/kg	10	NONE	< 10
Methacrifos	µg/kg	10	NONE	< 10
O,p'-DDD	µg/kg	10	NONE	< 10
O,p'-DDE	µg/kg	10	NONE	< 10
O,p'-DDT	µg/kg	10	NONE	< 10
Parathion	µg/kg	10	NONE	< 10
Parathion-methyl	µg/kg	10	NONE	< 10
Pendimethalin	µg/kg	10	NONE	24
Phorate	µg/kg	10	NONE	< 10
Phosalone	µg/kg	10	NONE	< 10
P,p'-DDD	µg/kg	10	NONE	< 10

P,p'-DDE	µg/kg	10	NONE	< 10
P,p'-DDT	µg/kg	10	NONE	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	< 10
Propyzamide	µg/kg	10	NONE	< 10
Triazophos	µg/kg	10	NONE	< 10
Trans-Chlordane	µg/kg	10	NONE	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	< 10
Dichlorvos	µg/kg	10	NONE	< 10
Dimethoate	µg/kg	10	NONE	< 10
Diazinon	µg/kg	10	NONE	< 10
Ethion	µg/kg	10	NONE	< 10
Fenitrothion	µg/kg	10	NONE	< 10
Malathion	µg/kg	10	NONE	< 10
Pirimiphos-methyl	µg/kg	10	NONE	< 10
Trifluralin	µg/kg	10	NONE	< 10
Azinphos-ethyl	µg/kg	10	NONE	< 10

Pesticides (LC-MS)

Carbofuran, 3-OH	µg/kg	10	NONE	< 10
Tebuthiuron	µg/kg	10	NONE	< 10
Thiadiazuron	µg/kg	10	NONE	< 10
Aldicarb Sulfone	µg/kg	10	NONE	< 10
Aldicarb Sulfoxide	µg/kg	10	NONE	< 10
Aldicarb	µg/kg	10	NONE	< 10
Carbofuran	µg/kg	10	NONE	< 10
Fluometuron	µg/kg	10	NONE	< 10
Methomyl	µg/kg	10	NONE	< 10
Oxamyl	µg/kg	10	NONE	< 10
Propoxur	µg/kg	10	NONE	< 10
Siduron	µg/kg	10	NONE	< 10
Terbutryn	µg/kg	10	NONE	< 10
Carbaryl	µg/kg	10	NONE	< 10
Diflubenzuron	µg/kg	10	NONE	< 10
Isoproturon	µg/kg	10	NONE	< 10
Prometryn	µg/kg	10	NONE	< 10
Propazine	µg/kg	10	NONE	< 10
Trietazine	µg/kg	10	NONE	< 10
Atrazine	µg/kg	10	NONE	< 10
Chlorotoluron	µg/kg	10	NONE	< 10
Cyanazine	µg/kg	10	NONE	< 10
Diuron	µg/kg	10	NONE	< 10
Linuron	µg/kg	10	NONE	< 10
Methiocarb	µg/kg	10	NONE	< 10
Simazine	µg/kg	10	NONE	< 10
Terbuthylazine	µg/kg	10	NONE	< 10

PFAS

PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.1	NONE	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.1	NONE	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.1	NONE	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.1	NONE	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-	µg/kg	0.1	NONE	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.1	NONE	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.1	NONE	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.1	NONE	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.1	NONE	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.1	NONE	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.1	NONE	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.1	NONE	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.1	NONE	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.1	NONE	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.1	NONE	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.1	NONE	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16	µg/kg	0.1	NONE	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.1	NONE	-

TILL	TOPSOIL	TILL	TOPSOIL	TILL

539286	539290	539291	539283	539284
DS01	DS02	DS02	DS03	DS03
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.5	0.1	3	0.1	2
28/04/2025	25/04/2025	25/04/2025	28/04/2025	28/04/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
13	17	16	15	10
0.2	0.3	0.3	0.3	0.3

8.2	6.2	6.4	7.9	7.3
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
130	600	< 50 *n	680	140
85	26	33	45	93
0.0427	0.0127	0.0165	0.0225	0.0466
42.7	12.7	16.5	22.5	46.6
66	380	< 50 *n	310	56
0.5	7.7	0.4	4.5	0.5

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	0.06	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	0.11	< 0.05	0.15	< 0.05
< 0.05	0.11	< 0.05	0.14	< 0.05
< 0.05	< 0.05	< 0.05	0.09	< 0.05
< 0.05	0.07	< 0.05	0.11	< 0.05
< 0.05	< 0.05	< 0.05	0.13	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	0.08	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

6.2	8.2	1.8	9.1	8.2
56	67	36	79	68
0.74	0.56	0.52	0.71	0.8
0.6	0.5	0.2	0.7	0.3
< 0.2	0.4	< 0.2	0.4	< 0.2
< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
36	18	16	21	21
19	28	14	28	14
9.5	190	5.8	44	7.3
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
20	12	14	16	27
< 1.0	1.2	< 1.0	< 1.0	< 1.0
31	21	17	25	22
31	64	27	51	39

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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MADE GROUND	TILL	TOPSOIL	TILL	TOPSOIL
		NOT ON LOG - 5A INSTEAD		

539287	539288	610733	539289	539302
DS04	DS04	DS06A	DS05	DS06
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.2	1.5	0.20	0.5	0.4
25/04/2025	25/04/2025	09/07/2025	25/04/2025	01/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	< 0.1	-	< 0.1	< 0.1
12	11	-	11	14
0.4	0.1	-	0.3	0.6

Not-detected
OGR
17/07/2025

7.7	8	-	7.8	7.7
< 1.0	< 1.0	-	< 1.0	< 1.0
< 1.0	< 1.0	-	< 1.0	< 1.0
< 1.0	< 1.0	-	< 1.0	< 1.0
600	160	-	160	610
46	68	-	50	40
0.0227	0.0341	-	0.0251	0.0198
22.7	34.1	-	25.1	19.8
440	100	-	70	230
5.6	1	-	0.9	3.2

< 1.0	< 1.0	-	< 1.0	< 1.0

< 0.05	< 0.05	-	< 0.05	< 0.05
< 0.05	< 0.05	-	< 0.05	< 0.05
< 0.05	< 0.05	-	< 0.05	< 0.05

< 0.05	< 0.05	-	< 0.05	< 0.05
0.14	< 0.05	-	< 0.05	< 0.05
< 0.05	< 0.05	-	< 0.05	< 0.05
0.26	< 0.05	-	< 0.05	0.14
0.24	< 0.05	-	< 0.05	0.15
0.13	< 0.05	-	< 0.05	0.09
0.16	< 0.05	-	< 0.05	0.09
0.21	< 0.05	-	< 0.05	0.13
0.07	< 0.05	-	< 0.05	0.05
0.15	< 0.05	-	< 0.05	0.11
0.08	< 0.05	-	< 0.05	0.06
< 0.05	< 0.05	-	< 0.05	< 0.05
0.08	< 0.05	-	< 0.05	0.07

1.52	< 0.80	-	< 0.80	0.91

12	4.8	-	3.6	8.4
110	65	-	72	55
0.96	0.84	-	1	0.53
0.8	0.3	-	0.4	0.7
0.5	< 0.2	-	< 0.2	0.3
< 1.8	< 1.8	-	< 1.8	< 1.8
30	25	-	40	16
35	17	-	22	21
46	7.7	-	11	29
< 0.3	< 0.3	-	< 0.3	< 0.3
22	26	-	25	14
1.3	< 1.0	-	< 1.0	< 1.0
32	26	-	40	18
69	44	-	39	55

< 1.0	< 1.0	-	< 1.0	< 1.0
< 10	< 10	-	< 10	13

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TILL	TOPSOIL	TOPSOIL	MADE GROUND	MADE GROUND
539303	539294	539293	539292	610730
DS06	DS07	DS08	DS09	DS09A
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
1.4	0.2	0.1	0.1	0.20
01/05/2025	23/04/2025	23/04/2025	23/04/2025	09/07/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	-
14	19	15	11	-
0.6	0.8	0.6	0.6	-
				Not-detected
				SPU
				17/07/2025
7.7	7.5	7.8	7.6	-
< 1.0	< 1.0	< 1.0	< 1.0	-
< 1.0	< 1.0	< 1.0	< 1.0	-
< 1.0	< 1.0	< 1.0	< 1.0	-
100	840	660	580	-
31	62	32	45	-
0.0154	0.0311	0.0157	0.0225	-
15.4	31.1	15.7	22.5	-
< 50	400	320	220	-
0.4	5.9	4	2.7	-
< 1.0	< 1.0	< 1.0	< 1.0	-
< 0.05	< 0.05	< 0.05	< 0.05	-
< 0.05	< 0.05	< 0.05	< 0.05	-
< 0.05	< 0.05	0.05	< 0.05	-

< 0.05	< 0.05	0.07	< 0.05	-
< 0.05	< 0.05	0.79	< 0.05	-
< 0.05	< 0.05	0.27	< 0.05	-
< 0.05	0.15	1.3	0.09	-
< 0.05	< 0.05	1.1	0.09	-
< 0.05	< 0.05	0.51	< 0.05	-
< 0.05	< 0.05	0.53	< 0.05	-
< 0.05	< 0.05	0.5	< 0.05	-
< 0.05	< 0.05	0.2	< 0.05	-
< 0.05	< 0.05	0.49	< 0.05	-
< 0.05	< 0.05	0.22	< 0.05	-
< 0.05	< 0.05	< 0.05	< 0.05	-
< 0.05	< 0.05	0.25	< 0.05	-

< 0.80	< 0.80	6.2	< 0.80	-

3.6	9.2	8.8	4.9	-
18	89	83	59	-
0.22	0.83	0.68	0.59	-
0.2	0.8	0.8	0.4	-
< 0.2	0.4	0.4	0.2	-
< 1.8	< 1.8	< 1.8	< 1.8	-
11	25	23	23	-
9.4	30	52	19	-
4.5	38	84	22	-
< 0.3	< 0.3	< 0.3	< 0.3	-
9.3	20	17	16	-
< 1.0	1.2	1	< 1.0	-
13	30	23	22	-
18	57	63	41	-

< 1.0	< 1.0	< 1.0	< 1.0	-
< 10	< 10	10	< 10	-

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TOPSOIL	TOPSOIL	MADE GROUND	TOPSOIL	TOPSOIL

610725	610722	539296	539297	539295
DS11A	DS14A	DS14	DS15	DS16
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.20	0.20	1.95	0.2	0.1
09/07/2025	09/07/2025	30/04/2025	30/04/2025	30/04/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

-	-	17.2	< 0.1	< 0.1
-	-	3.1	9.9	6.7
-	-	0.3	0.4	0.4

Not-detected	Not-detected
SPU	SPU
17/07/2025	17/07/2025

-	-	7.9	7.3	7.4
-	-	< 1.0	< 1.0	< 1.0
-	-	< 1.0	< 1.0	< 1.0
-	-	< 1.0	< 1.0	< 1.0
-	-	170	750	760
-	-	49	54	82
-	-	0.0245	0.0268	0.0412
-	-	24.5	26.8	41.2
-	-	69	290	250
-	-	0.2	4.8	3.5

-	-	< 1.0	< 1.0	< 1.0

-	-	< 0.05	< 0.05	< 0.05
-	-	< 0.05	< 0.05	< 0.05
-	-	< 0.05	0.06	< 0.05

-	-	< 0.05	0.07	< 0.05
-	-	< 0.05	0.71	0.07
-	-	< 0.05	0.16	< 0.05
-	-	< 0.05	1.3	0.18
-	-	< 0.05	1.3	0.16
-	-	< 0.05	0.64	0.08
-	-	< 0.05	0.75	0.12
-	-	< 0.05	0.77	0.15
-	-	< 0.05	0.25	< 0.05
-	-	< 0.05	0.72	0.13
-	-	< 0.05	0.3	0.06
-	-	< 0.05	0.08	< 0.05
-	-	< 0.05	0.4	0.07

-	-	< 0.80	7.51	1.03

-	-	6.5	12	11
-	-	92	66	53
-	-	0.3	0.57	0.54
-	-	0.3	1.3	0.8
-	-	< 0.2	0.4	0.3
-	-	< 1.8	< 1.8	< 1.8
-	-	6.3	18	20
-	-	3.2	37	22
-	-	2.5	64	36
-	-	< 0.3	< 0.3	< 0.3
-	-	14	13	13
-	-	4.7	1.1	< 1.0
-	-	8.6	24	23
-	-	13	89	51

-	-	< 1.0	< 1.0	< 1.0
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TOPSOIL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TILL
610729	539298	539299	539300	539301
DS17A	DS17	DS17	DS18	DS18
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.20	0.2	1	0.2	0.6
09/07/2025	30/04/2025	30/04/2025	01/05/2025	01/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
-	< 0.1	< 0.1	< 0.1	< 0.1
-	10	7.4	14	12
-	0.4	0.3	0.3	0.6

Not-detected
SPU
17/07/2025

-	7.9	6.3	6.7	7.4
-	< 1.0	< 1.0	< 1.0	< 1.0
-	< 1.0	< 1.0	< 1.0	< 1.0
-	< 1.0	< 1.0	< 1.0	< 1.0
-	690	140	750	200
-	41	34	52	32
-	0.0205	0.0172	0.0261	0.0159
-	20.5	17.2	26.1	15.9
-	260	< 50	340	79
-	4.2	0.4	4.6	0.9
-	< 1.0	< 1.0	< 1.0	< 1.0
-	< 0.05	< 0.05	0.11	< 0.05
-	< 0.05	< 0.05	< 0.05	< 0.05
-	< 0.05	< 0.05	0.29	< 0.05

-	< 0.05	< 0.05	0.18	< 0.05
-	0.17	< 0.05	1.5	< 0.05
-	< 0.05	< 0.05	0.3	< 0.05
-	0.35	< 0.05	1.9	< 0.05
-	0.37	< 0.05	1.8	< 0.05
-	0.17	< 0.05	0.87	< 0.05
-	0.22	< 0.05	0.95	< 0.05
-	0.25	< 0.05	1	< 0.05
-	0.09	< 0.05	0.34	< 0.05
-	0.24	< 0.05	0.97	< 0.05
-	0.11	< 0.05	0.42	< 0.05
-	< 0.05	< 0.05	0.1	< 0.05
-	0.12	< 0.05	0.5	< 0.05

-	2.1	< 0.80	11.3	< 0.80

-	11	8.1	12	7.6
-	55	53	57	41
-	0.5	0.89	0.52	0.75
-	0.8	0.2	1.3	0.7
-	0.4	< 0.2	0.4	< 0.2
-	< 1.8	< 1.8	< 1.8	< 1.8
-	16	81	22	32
-	28	4.5	28	18
-	58	3	49	9.8
-	< 0.3	< 0.3	< 0.3	< 0.3
-	12	11	14	24
-	1.1	< 1.0	1.3	< 1.0
-	21	44	27	30
-	73	21	65	39

-	< 1.0	< 1.0	< 1.0	< 1.0
-	< 10	< 10	12	< 10

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TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TILL	TOPSOIL
				DS21

543371	543372	543369	543370	543373
DS19	DS19	DS20	DS20	DS20
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.3	0.8	0.4	0.7	0.1
02/05/2025	02/05/2025	01/05/2025	01/05/2025	06/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

21.4	< 0.1	< 0.1	< 0.1	< 0.1
6.6	6.4	12	15	14
0.7	0.7	0.3	0.3	0.7

7.9	6.4	8	7.5	7.4
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
390	110	510	420	640
16	10	24	33	23
0.00821	0.00514	0.0119	0.0164	0.0115
8.21	5.14	11.9	16.4	11.5
120	< 50	180	140	370
2.2	0.3	2.6	1.3	6.4

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	0.08	< 0.05	0.1

< 0.05	< 0.05	0.05	< 0.05	0.08
0.1	< 0.05	0.67	< 0.05	0.93
< 0.05	< 0.05	0.14	< 0.05	0.19
0.15	< 0.05	1.2	< 0.05	1.7
0.16	< 0.05	1.2	< 0.05	1.7
0.08	< 0.05	0.56	< 0.05	0.85
0.08	< 0.05	0.6	< 0.05	0.87
0.08	< 0.05	0.63	< 0.05	0.99
< 0.05	< 0.05	0.25	< 0.05	0.4
0.09	< 0.05	0.59	< 0.05	0.89
< 0.05	< 0.05	0.24	< 0.05	0.39
< 0.05	< 0.05	< 0.05	< 0.05	0.07
< 0.05	< 0.05	0.27	< 0.05	0.45

< 0.80	< 0.80	6.39	< 0.80	9.55

5.1	3	9.1	7.1	9.7
31	25	54	37	59
0.3	0.37	0.49	0.5	0.61
0.5	0.4	0.8	0.5	0.9
< 0.2	< 0.2	0.3	< 0.2	0.3
< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
14	7.9	15	28	18
14	5.6	25	12	31
14	1.8	41	11	55
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
12	8.9	12	19	13
< 1.0	< 1.0	< 1.0	1.1	1.1
17	8.2	21	29	20
32	15	51	37	58

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 10	< 10	11	< 10	12

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TILL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TOPSOIL
DS21				

543374	543382	543383	610726	543393
DS20	DS22	DS22	DS26A	DS26
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.3	0.2	1	0.20	0.2
06/05/2025	07/05/2025	07/05/2025	09/07/2025	07/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	< 0.1	< 0.1	-	< 0.1
10	13	7.7	-	10
0.7	0.3	0.3	-	1.1

Not-detected
SPU
17/07/2025

6.6	6.8	7.6	-	7.3
< 1.0	< 1.0	< 1.0	-	< 1.0
< 1.0	< 1.0	< 1.0	-	< 1.0
< 1.0	< 1.0	< 1.0	-	< 1.0
310	760	110	-	510
10	26	63	-	39
0.00519	0.0131	0.0315	-	0.0192
5.19	13.1	31.5	-	19.2
90	320	< 50	-	170
1.9	4.4	0.3	-	1.9

< 1.0	< 1.0	< 1.0	-	< 1.0

< 0.05	< 0.05	< 0.05	-	< 0.05
< 0.05	< 0.05	< 0.05	-	< 0.05
< 0.05	< 0.05	< 0.05	-	< 0.05

< 0.05	< 0.05	< 0.05	-	< 0.05
< 0.05	0.5	< 0.05	-	0.17
< 0.05	0.09	< 0.05	-	< 0.05
< 0.05	0.8	< 0.05	-	0.45
< 0.05	0.77	< 0.05	-	0.42
< 0.05	0.4	< 0.05	-	0.23
< 0.05	0.42	< 0.05	-	0.26
< 0.05	0.46	< 0.05	-	0.3
< 0.05	0.16	< 0.05	-	0.13
< 0.05	0.4	< 0.05	-	0.28
< 0.05	0.19	< 0.05	-	0.15
< 0.05	< 0.05	< 0.05	-	< 0.05
< 0.05	0.22	< 0.05	-	0.16

< 0.80	4.42	< 0.80	-	2.56

1.2	12	2.7	-	7.4
17	64	16	-	46
0.23	0.66	0.28	-	0.5
0.3	1	0.2	-	0.5
< 0.2	0.5	< 0.2	-	0.2
< 1.8	< 1.8	< 1.8	-	< 1.8
15	17	9.7	-	18
7.2	45	6.2	-	37
8.5	74	3.3	-	39
< 0.3	< 0.3	< 0.3	-	< 0.3
7.5	13	5.7	-	14
< 1.0	1.5	< 1.0	-	< 1.0
11	26	10	-	20
15	130	14	-	83

< 1.0	< 1.0	< 1.0	-	< 1.0
< 10	< 10	< 10	-	< 10

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WEATHERED BEDROCK	MADE GROUND	MADE GROUND	TOPSOIL	WEATHERED BEDROCK
543394	610727	543395	543379	543380
DS26	DS27A	DS27	DS30	DS30
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
1	0.20	0.2	0.1	1.8
07/05/2025	09/07/2025	07/05/2025	06/05/2025	06/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	-	< 0.1	< 0.1	< 0.1
5.4	-	14	14	8.2
1.1	-	1.1	0.6	0.6

Not-detected
SPU
17/07/2025

7.4	-	7.2	6.6	5.3
< 1.0	-	< 1.0	< 1.0	< 1.0
< 1.0	-	< 1.0	< 1.0	< 1.0
< 1.0	-	< 1.0	< 1.0	< 1.0
< 50	-	500	550	63
29	-	71	15	13
0.0145	-	0.0353	0.00771	0.00666
14.5	-	35.3	7.71	6.66
< 50	-	340	220	< 50
< 0.1	-	4.2	4.3	< 0.1
< 1.0	-	< 1.0	< 1.0	< 1.0
< 0.05	-	< 0.05	< 0.05	< 0.05
< 0.05	-	< 0.05	< 0.05	< 0.05
< 0.05	-	0.06	< 0.05	< 0.05

< 0.05	-	< 0.05	< 0.05	< 0.05
< 0.05	-	0.45	0.21	< 0.05
< 0.05	-	0.09	< 0.05	< 0.05
< 0.05	-	1.2	0.37	< 0.05
< 0.05	-	1.1	0.41	< 0.05
< 0.05	-	0.62	0.19	< 0.05
< 0.05	-	0.66	0.21	< 0.05
< 0.05	-	0.75	0.23	< 0.05
< 0.05	-	0.33	0.07	< 0.05
< 0.05	-	0.67	0.19	< 0.05
< 0.05	-	0.33	0.09	< 0.05
< 0.05	-	0.07	< 0.05	< 0.05
< 0.05	-	0.36	0.13	< 0.05

< 0.80	-	6.66	2.1	< 0.80

1.1	-	14	6.8	1.9
11	-	81	38	14
0.22	-	0.76	0.41	0.49
0.3	-	1.2	0.4	0.2
< 0.2	-	0.5	0.2	< 0.2
< 1.8	-	< 1.8	< 1.8	< 1.8
5	-	23	14	8.7
7.7	-	89	27	5.9
1.7	-	110	37	2.3
< 0.3	-	< 0.3	< 0.3	< 0.3
5.2	-	17	8.7	5.2
< 1.0	-	1.3	< 1.0	< 1.0
5.8	-	28	13	17
9	-	220	43	11

< 1.0	-	< 1.0	< 1.0	< 1.0
< 10	-	21	< 10	< 10

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TOPSOIL	TILL	TOPSOIL	TILL	TILL
0.6?				

543384	543385	543375	543376	543377
DS31	DS31	DS32	DS32	DS33
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.5	1	0.1	0.5	0.3
07/05/2025	07/05/2025	06/05/2025	06/05/2025	06/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
17	11	11	9.6	11
0.7	0.3	0.7	0.3	0.7

7.1	8.3	7.4	7.1	7.2
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
330	150	530	110	250
38	49	24	42	20
0.0189	0.0243	0.0121	0.021	0.0098
18.9	24.3	12.1	21	9.8
220	65	310	< 50	85
2.9	0.4	4.3	0.5	0.7

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	0.25	< 0.05	< 0.05
< 0.05	< 0.05	0.05	< 0.05	< 0.05
< 0.05	< 0.05	0.53	< 0.05	< 0.05
< 0.05	< 0.05	0.53	< 0.05	< 0.05
< 0.05	< 0.05	0.27	< 0.05	< 0.05
< 0.05	< 0.05	0.33	< 0.05	< 0.05
< 0.05	< 0.05	0.41	< 0.05	< 0.05
< 0.05	< 0.05	0.16	< 0.05	< 0.05
< 0.05	< 0.05	0.34	< 0.05	< 0.05
< 0.05	< 0.05	0.16	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	0.18	< 0.05	< 0.05

< 0.80	< 0.80	3.22	< 0.80	< 0.80

3.6	5.9	7.1	2.8	1.5
34	93	57	55	36
0.46	0.68	0.52	0.62	0.42
0.7	0.3	1	0.4	0.4
< 0.2	< 0.2	0.3	< 0.2	< 0.2
< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
17	21	18	29	25
10	14	26	16	9.8
13	7.1	37	7.6	7.8
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
11	20	13	19	19
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
17	22	18	29	20
23	25	48	31	30

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 10	27	15	< 10	< 10

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< 0.1	-	-	-	-
0.2	-	-	-	-
< 0.1	-	-	-	-
< 0.1	-	-	-	-
< 0.1	-	-	-	-
< 0.1	-	-	-	-
< 0.1	-	-	-	-

TILL	TOPSOIL	WEATHERED BEDROCK	WEATHERED BEDROCK	TOPSOIL
543378	543386	543387	543381	543388
DS33	DS34	DS34	DS35	DS37
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
1.2	0.3	0.8	0.55	0.1
06/05/2025	07/05/2025	07/05/2025	07/05/2025	07/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
10	11	5.8	13	12
0.7	0.3	0.7	0.6	0.6
5	6.8	7.3	7.5	6.8
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
460	510	< 50	72	640
96	14	5.6	29	21
0.0479	0.00684	0.00278	0.0146	0.0104
47.9	6.84	2.78	14.6	10.4
140	210	< 50	< 50	320
0.6	3	< 0.1	0.3	3.8
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	0.12	< 0.05	< 0.05	0.37
< 0.05	< 0.05	< 0.05	< 0.05	0.05
< 0.05	0.25	< 0.05	< 0.05	0.61
< 0.05	0.25	< 0.05	< 0.05	0.64
< 0.05	0.11	< 0.05	< 0.05	0.29
< 0.05	0.16	< 0.05	< 0.05	0.38
< 0.05	0.16	< 0.05	< 0.05	0.38
< 0.05	0.05	< 0.05	< 0.05	0.19
< 0.05	0.14	< 0.05	< 0.05	0.35
< 0.05	0.07	< 0.05	< 0.05	0.17
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	0.09	< 0.05	< 0.05	0.21

< 0.80	1.39	< 0.80	< 0.80	3.66

2.5	7.9	< 1.0	2	10
67	46	7.5	29	59
0.63	0.51	0.09	0.46	0.55
0.5	0.5	< 0.2	0.3	1
< 0.2	0.2	< 0.2	< 0.2	0.4
< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
21	16	6.2	19	17
13	24	3.7	12	30
9.8	42	1.8	6.7	54
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
17	12	2.3	13	12
< 1.0	< 1.0	< 1.0	< 1.0	1.3
19	17	6.1	15	25
31	55	7.2	20	67

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 10	< 10	< 10	< 10	< 10

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WEATHERED BEDROCK ASSUMED TOP OF BAND SAMPLED	WEATHERED BEDROCK DUPLICATE SAMPLE?	TOPSOIL	TILL	TOPSOIL
				0.2
543389	543392	543390	543391	600437
DS37	DS37	DS38	DS38	DS39
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.5	0.5	0.15	0.4	None Supplied
06/05/2025	07/05/2025	07/05/2025	07/05/2025	23/06/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
5	11	16	11	11
0.7	1.1	1.1	1.1	1.1
7.2	6.8	6.7	6	7.3
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
58	74	850	150	310
6.7	10	20	22	13
0.00336	0.0052	0.01	0.0108	0.00628
3.36	5.2	10	10.8	6.28
< 50	58	470	61	180
0.2	1	7.5	0.6	2
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 0.05	< 0.05	< 0.05	< 0.05	0.08
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	0.05	< 0.05	< 0.05

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	0.62	< 0.05	0.21
< 0.05	< 0.05	0.12	< 0.05	< 0.05
< 0.05	< 0.05	1.2	< 0.05	0.49
< 0.05	< 0.05	1.2	< 0.05	0.45
< 0.05	< 0.05	0.57	< 0.05	0.25
< 0.05	< 0.05	0.6	< 0.05	0.27
< 0.05	< 0.05	0.76	< 0.05	0.27
< 0.05	< 0.05	0.24	< 0.05	0.14
< 0.05	< 0.05	0.64	< 0.05	0.22
< 0.05	< 0.05	0.3	< 0.05	0.13
< 0.05	< 0.05	0.06	< 0.05	< 0.05
< 0.05	< 0.05	0.36	< 0.05	0.14

< 0.80	< 0.80	6.66	< 0.80	2.63

1.1	2.1	13	2.6	15
14	28	61	39	60
0.17	0.46	0.83	0.38	0.67
0.2	0.5	1.1	0.5	0.4
< 0.2	< 0.2	0.4	< 0.2	0.3
< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
7.9	21	17	22	19
4.2	16	55	16	48
2.3	7	73	7.7	67
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4.3	12	14	15	14
< 1.0	< 1.0	< 1.0	< 1.0	1.1
7.6	21	19	19	26
11	22	80	26	83

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 10	1400	< 10	< 10	< 10

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WEATHERED BEDROCK	TOPSOIL	TOPSOIL	TILL	TOPSOIL
1.2	0.3	0.2	1	

600438	600439	600440	600441	610724
DS39	DS40	DS41	DS41	RO01A
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
None Supplied	None Supplied	None Supplied	None Supplied	0.20
23/06/2025	23/06/2025	24/06/2025	24/06/2025	09/07/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	< 0.1	< 0.1	< 0.1	-
5.3	11	17	16	-
1.1	1.1	1.1	1.1	-

Not-detected
SPU
17/07/2025

8.3	7.3	7.1	7.7	-
< 1.0	< 1.0	< 1.0	< 1.0	-
< 1.0	< 1.0	< 1.0	< 1.0	-
< 1.0	< 1.0	< 1.0	< 1.0	-
160	380	680	290	-
5.3	14	34	26	-
0.00266	0.00673	0.0167	0.0131	-
2.66	6.73	16.7	13.1	-
< 50	190	340	110	-
< 0.1	2.5	2.9	0.7	-

< 1.0	< 1.0	< 1.0	< 1.0	-

< 0.05	0.09	0.09	< 0.05	-
< 0.05	< 0.05	< 0.05	< 0.05	-
< 0.05	0.09	0.08	< 0.05	-

< 0.05	0.08	0.09	< 0.05	-
< 0.05	0.16	0.57	< 0.05	-
< 0.05	< 0.05	0.1	< 0.05	-
< 0.05	0.18	1.1	< 0.05	-
< 0.05	0.18	1	< 0.05	-
< 0.05	0.09	0.51	< 0.05	-
< 0.05	0.11	0.64	< 0.05	-
< 0.05	0.13	0.64	< 0.05	-
< 0.05	0.05	0.39	< 0.05	-
< 0.05	0.08	0.6	< 0.05	-
< 0.05	0.06	0.34	< 0.05	-
< 0.05	< 0.05	0.07	< 0.05	-
< 0.05	0.08	0.42	< 0.05	-

< 0.80	1.38	6.65	< 0.80	-

3.1	12	18	8.9	-
14	54	97	48	-
0.25	0.78	1.1	0.61	-
< 0.2	0.4	0.8	0.5	-
< 0.2	0.3	0.2	< 0.2	-
< 1.8	< 1.8	< 1.8	< 1.8	-
13	19	35	34	-
9	42	70	16	-
4	67	120	8.1	-
< 0.3	< 0.3	< 0.3	< 0.3	-
10	16	27	23	-
< 1.0	< 1.0	1.2	< 1.0	-
11	27	46	34	-
16	85	96	36	-

< 1.0	< 1.0	< 1.0	< 1.0	-
< 10	< 10	18	< 10	-

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TOPSOIL	TILL	TOPSOIL	TOPSOIL	WEATHERED BEDROCK

564896	564897	564895	564893	564894
RO01	RO01	RO04	RO07	RO07
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.5	1.5	0.2	0.3	0.7
21/05/2025	21/05/2025	20/05/2025	19/05/2025	19/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1.7	2.2	7.7	8.2	3
0.1	0.1	0.1	0.1	0.1

6.6	7.8	8.2	7.6	8
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
230	220	450	440	240
6.6	20	44	34	29
0.00332	0.0101	0.0218	0.017	0.0144
3.32	10.1	21.8	17	14.4
83	76	270	240	85
0.7	0.2	3.7	2.6	0.2

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	0.1	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	0.08	0.2	< 0.05
< 0.05	< 0.05	0.06	0.2	< 0.05
< 0.05	< 0.05	< 0.05	0.11	< 0.05
< 0.05	< 0.05	< 0.05	0.15	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	0.11	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

< 0.80	< 0.80	< 0.80	0.86	< 0.80

< 1.0	< 1.0	6.2	7.1	1.5
13	5.9	53	51	15
< 0.06	0.08	0.44	0.46	0.2
0.2	< 0.2	0.3	0.4	0.3
< 0.2	< 0.2	0.2	0.2	< 0.2
< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
5.8	7.9	20	23	11
5	6.1	18	21	5.7
1.8	3.3	26	27	4.2
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2	4.9	10	15	6.7
< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2.5	4.7	20	23	18
6.3	7.7	35	45	12

< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
< 10	< 10	< 10	< 10	< 10

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TOPSOIL	TOPSOIL	TOPSOIL	MADE GROUND	MADE GROUND
			0.2?	0.6?

610731	610732	610723	600442	600443
TP17A	TP32S	TP43A	TP65	TP65
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.20	0.20	0.20	None Supplied	None Supplied
09/07/2025	09/07/2025	09/07/2025	24/06/2025	24/06/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	-	-	56	< 0.1
11	-	-	8	15
0.9	-	-	1.1	1.1

Not-detected	Not-detected	Not-detected
SPU	OGR	SPU
17/07/2025	17/07/2025	17/07/2025

8.1	-	-	8.2	7.7
< 1.0	-	-	< 1.0	< 1.0
< 1.0	-	-	< 1.0	< 1.0
< 1.0	-	-	< 1.0	< 1.0
410	-	-	1000	1600
52	-	-	340	480
0.0259	-	-	0.172	0.24
25.9	-	-	172	240
260	-	-	1200	1100
3.1	-	-	2.8	4

< 1.0	-	-	< 1.0	< 1.0

< 0.05	-	-	0.74	0.56
< 0.05	-	-	< 0.05	< 0.05
< 0.05	-	-	0.08	0.1

< 0.05	-	-	0.07	0.07
< 0.05	-	-	0.41	0.45
< 0.05	-	-	0.06	0.08
0.05	-	-	0.44	0.57
0.06	-	-	0.43	0.57
< 0.05	-	-	0.21	0.3
< 0.05	-	-	0.23	0.33
< 0.05	-	-	0.26	0.41
< 0.05	-	-	0.11	0.15
< 0.05	-	-	0.22	0.34
< 0.05	-	-	0.13	0.19
< 0.05	-	-	< 0.05	< 0.05
< 0.05	-	-	0.16	0.24

< 0.80	-	-	3.54	4.36

5.1	-	-	8.1	12
57	-	-	71	91
0.54	-	-	0.41	0.6
0.6	-	-	0.5	0.8
< 0.2	-	-	< 0.2	0.3
< 1.8	-	-	< 1.8	< 1.8
24	-	-	11	17
21	-	-	23	30
19	-	-	32	47
< 0.3	-	-	< 0.3	< 0.3
17	-	-	13	14
1.1	-	-	< 1.0	< 1.0
27	-	-	14	22
41	-	-	44	65

< 1.0	-	-	< 1.0	< 1.0
24	-	-	< 10	< 10

-	< 0.1
-	< 0.1
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-	< 0.1

MADE GROUND	TOPSOIL
0.5	

600444	610728
TP67B	TP71A
None Supplied	None Supplied
N/A	N/A
None Supplied	0.20
24/06/2025	09/07/2025
None Supplied	None Supplied

68.2	-
8.1	-
1.1	-

	Not-detected
	SPU
	17/07/2025

9.3	-
< 1.0	-
< 1.0	-
< 1.0	-
2300	-
840	-
0.422	-
422	-
1200	-
2.1	-

< 1.0	-

0.9	-
< 0.05	-
0.26	-

0.24	-
1.4	-
0.33	-
0.88	-
0.74	-
0.34	-
0.37	-
0.32	-
0.12	-
0.27	-
0.13	-
< 0.05	-
0.19	-

6.51	-

8.2	-
280	-
0.8	-
3.2	-
< 0.2	-
< 1.8	-
16	-
39	-
28	-
< 0.3	-
23	-
1	-
19	-
110	-

< 1.0	-
78	-

< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1
< 0.1

STRATA	SOM
MADE GROUND	0.2
MADE GROUND	2.1
MADE GROUND	2.7
MADE GROUND	2.8
MADE GROUND	4
MADE GROUND	4.2
MADE GROUND	5.6
MADE GROUND	-
MADE GROUND	-
TILL	0.2
TILL	0.4
TILL	0.4
TILL	0.4
TILL	0.5
TILL	0.5
TILL	0.5
TILL	0.6
TILL	0.6
TILL	0.7
TILL	0.7
TILL	0.9
TILL	0.9
TILL	1
TILL	1.3
TILL	1.9
TOPSOIL	0.7
TOPSOIL	1.9
TOPSOIL	2
TOPSOIL	2.2
TOPSOIL	2.5
TOPSOIL	2.6
TOPSOIL	2.6
TOPSOIL	2.9
TOPSOIL	2.9
TOPSOIL	3
TOPSOIL	3.1
TOPSOIL	3.2
TOPSOIL	3.5
TOPSOIL	3.7
TOPSOIL	3.8
TOPSOIL	4
TOPSOIL	4.1
TOPSOIL	4.2
TOPSOIL	4.3
TOPSOIL	4.3

TOPSOIL	4.4
TOPSOIL	4.5
TOPSOIL	4.6
TOPSOIL	4.8
TOPSOIL	5.9
TOPSOIL	6.4
TOPSOIL	7.5
TOPSOIL	7.7
TOPSOIL	-
TOPSOIL	-
TOPSOIL	-
TOPSOIL	-
TOPSOIL	-
TOPSOIL	-
TOPSOIL	-
TOPSOIL	-
WEATHERED BEDROCK	0.2
WEATHERED BEDROCK	0.2
WEATHERED BEDROCK	0.3
WEATHERED BEDROCK	0.3
WEATHERED BEDROCK	0.3
WEATHERED BEDROCK	0.4
WEATHERED BEDROCK	1
WEATHERED BEDROCK	<0.1
WEATHERED BEDROCK	<0.1
WEATHERED BEDROCK	<0.1
WEATHERED BEDROCK	<0.1

Appendix 8: Groundwater Chemical Analysis Results

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Waterfront House
Nottingham
NG2 3DQ

t:

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i2 Analytical Ltd.
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Herts,
WD18 8YS

t: 01923 225404
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e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-050259

Project / Site name:	ILP North	**Samples received on:**	11/09/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	16/09/2025
Your order number:		**Analysis completed by:**	30/09/2025
Report Issue Number:	1	**Report issued on:**	30/09/2025
Samples Analysed:	3 water samples		

Joanna Biolik

Signed:

Joanna Biolik
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-050259
Project / Site name: ILP North

Lab Sample Number				685639	685640	685641
Sample Reference				DS06	RO07	DS08
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				Other water	Other water	Other water
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				10/09/2025	10/09/2025	10/09/2025
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status			
General Inorganics						
pH (L099)	pH Units	N/A	NONE	7.2	5.9	5.8
Electrical Conductivity at 20°C	µS/cm	10	NONE	890	300	360
Total Cyanide	µg/l	10	NONE	< 10	< 10	< 10
Sulphate as SO_4	mg/l	0.045	NONE	47.6	42.6	90.8
Sulphide	µg/l	5	NONE	-	< 5.0	< 5.0
Chloride	mg/l	0.15	NONE	-	25	I/S
Orthophosphate as P	µg/l	20	NONE	-	< 20	30
Ammoniacal Nitrogen as N	µg/l	15	NONE	920	22	I/S
Ammoniacal Nitrogen as NH_4^+	µg/l	15	NONE	-	28	I/S
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	11.8	1.23	5.52
Total Organic Carbon (TOC)	mg/l	0.1	NONE	-	1.34	8.16
Total Inorganic Carbon (TIC)	mg/l	0.1	NONE	-	5.09	21.2
Nitrate as N	mg/l	0.01	NONE	-	0.02	0.01
Nitrate as NO_3	mg/l	0.05	NONE	-	0.1	0.05
Alkalinity as $CaCO_3$	mgCaCO3/l	3	NONE	-	14	I/S
Chemical Oxygen Demand (Total)	mg/l	2	NONE	-	4.7	520
BOD (Biochemical Oxygen Demand) (Total) - PL (L086B)	mg/l	1	NONE	-	< 1.0	7.3
Total Suspended Solids (L004B)	mg/l	2	NONE	-	1200	I/S *I/S
Total Dissolved Solids (Gravimetric) (L004B)	mg/l	4	NONE	-	230	210
Hardness - Total	mgCaCO3/l	1	NONE	209	104	77.2
Dissolved Oxygen	mg/l	1	NONE	-	5.4	1.2
Total Phenols						
Total Phenols (monohydric)	µg/l	10	NONE	< 10	< 10	11
Speciated PAHs						
Naphthalene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Acenaphthylene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Acenaphthene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Fluorene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Phenanthrene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Chrysene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	I/S *I/S
Total PAH						
Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16	< 0.16	I/S

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Analytical Report Number: 25-050259
Project / Site name: ILP North

Lab Sample Number				685639	685640	685641
Sample Reference				DS06	RO07	DS08
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				Other water	Other water	Other water
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				10/09/2025	10/09/2025	10/09/2025
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Heavy Metals / Metalloids						
Arsenic (dissolved)	µg/l	0.15	NONE	3.85	0.41	0.82
Barium (dissolved)	µg/l	0.06	NONE	46	30	150
Beryllium (dissolved)	µg/l	0.1	NONE	< 0.1	1.4	0.6
Cadmium (dissolved)	µg/l	0.02	NONE	< 0.02	0.39	0.4
Chromium (dissolved)	µg/l	0.2	NONE	0.6	0.3	0.5
Copper (dissolved)	µg/l	0.5	NONE	1.8	15	68
Lead (dissolved)	µg/l	0.2	NONE	< 0.2	< 0.2	1.8
Mercury (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	NONE	13	69	25
Selenium (dissolved)	µg/l	0.6	NONE	1.4	< 0.6	1.2
Vanadium (dissolved)	µg/l	0.2	NONE	0.9	0.7	< 0.2
Zinc (dissolved)	µg/l	0.5	NONE	3.4	16	41
Boron (dissolved)	µg/l	10	NONE	150	59	59
Calcium (dissolved)	mg/l	0.012	NONE	59	22	22
Chromium (hexavalent)	µg/l	5	NONE	< 5.0	< 5.0	U/S *U/S g
Iron (dissolved)	µg/l	4	NONE	-	< 4.0	22000
Iron (Fe^{2+}) (dissolved)	mg/l	0.2	NONE	-	< 0.20	2.66
Iron (Fe^{3+}) (dissolved)	mg/l	0.2	NONE	-	< 0.20	19.6
Magnesium (dissolved)	mg/l	0.005	NONE	-	12	5.4
Potassium (dissolved)	mg/l	0.025	NONE	-	3.3	1.3
Sodium (dissolved)	µg/l	10	NONE	-	12000	18000
Petroleum Hydrocarbons						
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	µg/l	10	NONE	< 10	< 10	< 10
TPH (EC10 - EC40) EH_1D_TOTAL_MS	µg/l	10	NONE	< 10	< 10	I/S

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-050259
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited matrices: SW, PW, GW, except B - SW,GW, Hg - SW,PW, Al - SW,PW	In-house method based on USEPA Method 6020 & 200.8 for the determination of trace elements in water by ICP-MS	L012B	W	NONE
Electrical Conductivity at 20°C in water	Determination of electrical conductivity in water by electrochemical measurement. Accredited matrices: SW, PW, GW, FSE	In-house method	L031B	W	NONE
Dissolved Organic Carbon in water	Determination of dissolved organic carbon in water by TOC/DOC NDIR Analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited matrices: SW, PW, GW, FSE, LL; PrW, DI PrW (Al, Cu, Fe,Zn)	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	NONE
Total Hardness of water	Determination of total hardness of water by calculation from calcium and magnesium. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045B	W	NONE
Total Petroleum Hydrocarbons in water by GC-MS	Determination of total petroleum hydrocarbons in water by GC-MS. Accredited matrices (TPH C12-C35): SW, PW, GW	In-house method	L070B	W	NONE
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5-diphenylcarbazide, followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method by continuous flow analyser	L080-PL	W	NONE
Monohydric phenols in water	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Total cyanide in water	Determination of total cyanide in water by distillation followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	NONE
Total Petroleum Hydrocarbons in water by HS-GC/MS	Determination of total petroleum hydrocarbons in water by GC-MS HS	In-house method	L129-PL	W	NONE
pH of water at 20°C (automated)	Determination of pH of water by electrochemical measurement. Accredited matrices: SW, PW, GW, FSE, LL	In-house method	L099-PL	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds (including PAHs) in water by extraction in dichloromethane followed by GC-MS. Accredited matrices (PAHs): SW, PW, GW	In-house method based on USEPA 8270	L102B	W	NONE
Ammoniacal Nitrogen as N in water	Determination of ammonium/ammonia/ammoniacal nitrogen by the colorimetric salicylate/nitroprusside method using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited matrices: SW, PW, GW, PrW, DI PrW, FSE, LL	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	NONE
Total Dissolved Solids in water (Gravimetric)	Determination of total dissolved solids in water by gravimetry. Accredited matrices: SW, PW, GW, PrW, FSE, LL	In-house method based on BS1377-3:2018 + A1:2021, and BSEN15216:227	L004B	W	NONE
Total Suspended Solids in water	Determined gravimetrically with GFC filtration papers. Accredited matrices: SW, PW, GW, PrW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L004B	W	NONE

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Analytical Report Number : 25-050259
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphide in water	Determination of sulphide in water by ion selective electrode	In-house method	L029-PL	W	NONE
Total Inorganic Carbon in water	Determination of total inorganic carbon in water by TOC/DOC NDIR Analyser	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Total Organic Carbon in water	Determination of total organic carbon in water by TOC/DOC NDIR Analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	NONE
Chemical Oxygen Demand in water (Total)	Determination of total COD in water by reflux oxidation with acidified K2Cr2O7 followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	HACH DR/890 Colorimeter Procedures Manual (48470-22) (Ref 0170.2)	L065-PL	W	NONE
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08	L078-PL	W	NONE
Nitrate in water	Determination of nitrate by reaction with sodium salicylate followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08	L078-PL	W	NONE
Iron(II) and Iron(III) in water	Determination of iron(II) and iron(III) in water by colorimetric method with phenanthroline and calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L079-PL	W	NONE
Alkalinity of water (discrete analyser)	Determination of alkalinity of water by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on MEWAM & USEPA Method 310.2	L082B	W	NONE
Chloride in water	Determination of chloride in water by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house based on MEWAM Method ISBN 0117516260	L082B	W	NONE
Ammonium as NH4 in water	Determination of ammonium/ammonia/ammoniacal nitrogen by the colorimetric salicylate/nitroprusside method using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	NONE
Orthophosphate as P in water	Determination of ortho phosphate in water by addition of ammonium molybdate, potassium antimonyl tartrate and ascorbic acid followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton, analysis by discreet analyser	L082B	W	NONE
Biochemical Oxygen Demand in water (Total)	Determination of biochemical oxygen demand in water (5 days). Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on standard method 5210B	L086B	W	NONE

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Analytical Report Number : 25-050259
Project / Site name: ILP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Dissolved Oxygen in water	Determination of dissolved oxygen in water	In-house method	L086B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.

*I/S- Insufficient sample for analysis.

Analytical Report Number : 25-050259
Project / Site name: ILP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DS06	N/A	W	685639	c	Ammoniacal Nitrogen as N in water	L082B	c
DS06	N/A	W	685639	c	Electrical Conductivity at 20°C in water	L031B	c
DS06	N/A	W	685639	c	Hexavalent chromium in water	L080-PL	c
DS06	N/A	W	685639	c	Total cyanide in water	L080-PL	c
DS06	N/A	W	685639	c	pH of water at 20°C (automated)	L099-PL	c
DS08	N/A	W	685641	c	Ammoniacal Nitrogen as N in water	L082B	c
DS08	N/A	W	685641	c	Ammonium as NH4 in water	L082B	c
DS08	N/A	W	685641	c	Biochemical Oxygen Demand in water (Total)	L086B	c
DS08	N/A	W	685641	c	Dissolved Oxygen in water	L086B	c
DS08	N/A	W	685641	c	Electrical Conductivity at 20°C in water	L031B	c
DS08	N/A	W	685641	c	Hexavalent chromium in water	L080-PL	c
DS08	N/A	W	685641	c	Total Dissolved Solids in water (Gravimetric)	L004B	c
DS08	N/A	W	685641	c	Total Suspended Solids in water	L004B	c
DS08	N/A	W	685641	c	Total cyanide in water	L080-PL	c
DS08	N/A	W	685641	c	pH of water at 20°C (automated)	L099-PL	c
RO07	N/A	W	685640	c	Ammoniacal Nitrogen as N in water	L082B	c
RO07	N/A	W	685640	c	Ammonium as NH4 in water	L082B	c
RO07	N/A	W	685640	c	Biochemical Oxygen Demand in water (Total)	L086B	c
RO07	N/A	W	685640	c	Dissolved Oxygen in water	L086B	c
RO07	N/A	W	685640	c	Electrical Conductivity at 20°C in water	L031B	c
RO07	N/A	W	685640	c	Hexavalent chromium in water	L080-PL	c
RO07	N/A	W	685640	c	Total Dissolved Solids in water (Gravimetric)	L004B	c
RO07	N/A	W	685640	c	Total Suspended Solids in water	L004B	c
RO07	N/A	W	685640	c	Total cyanide in water	L080-PL	c
RO07	N/A	W	685640	c	pH of water at 20°C (automated)	L099-PL	c

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Appendix 9: Geotechnical Laboratory Testing Results

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	23/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

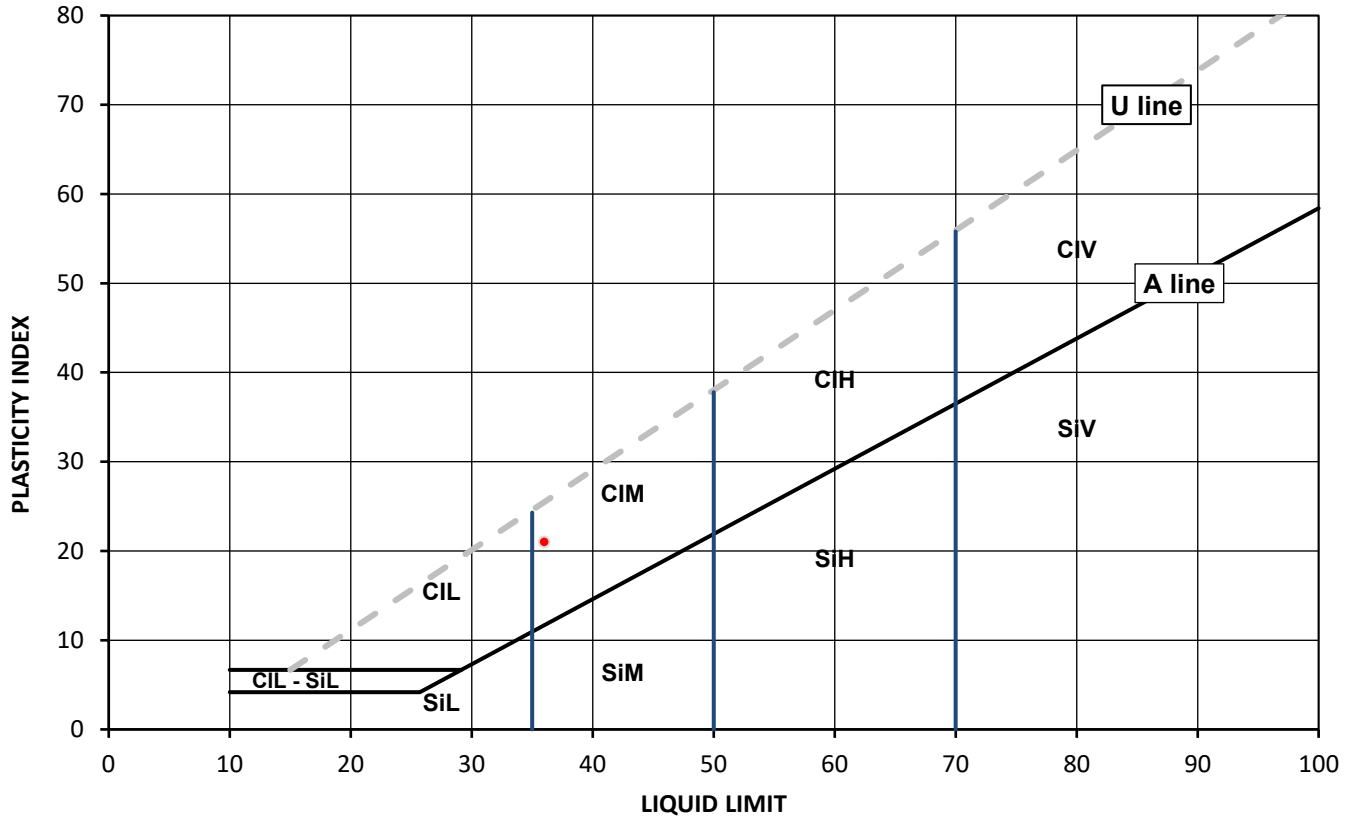
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570763	Depth Top [m]:	1.20
Hole No.:	DS07	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased
Cone Type: 80g/30deg

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
21.6	36	15	21	0.33	0.67	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

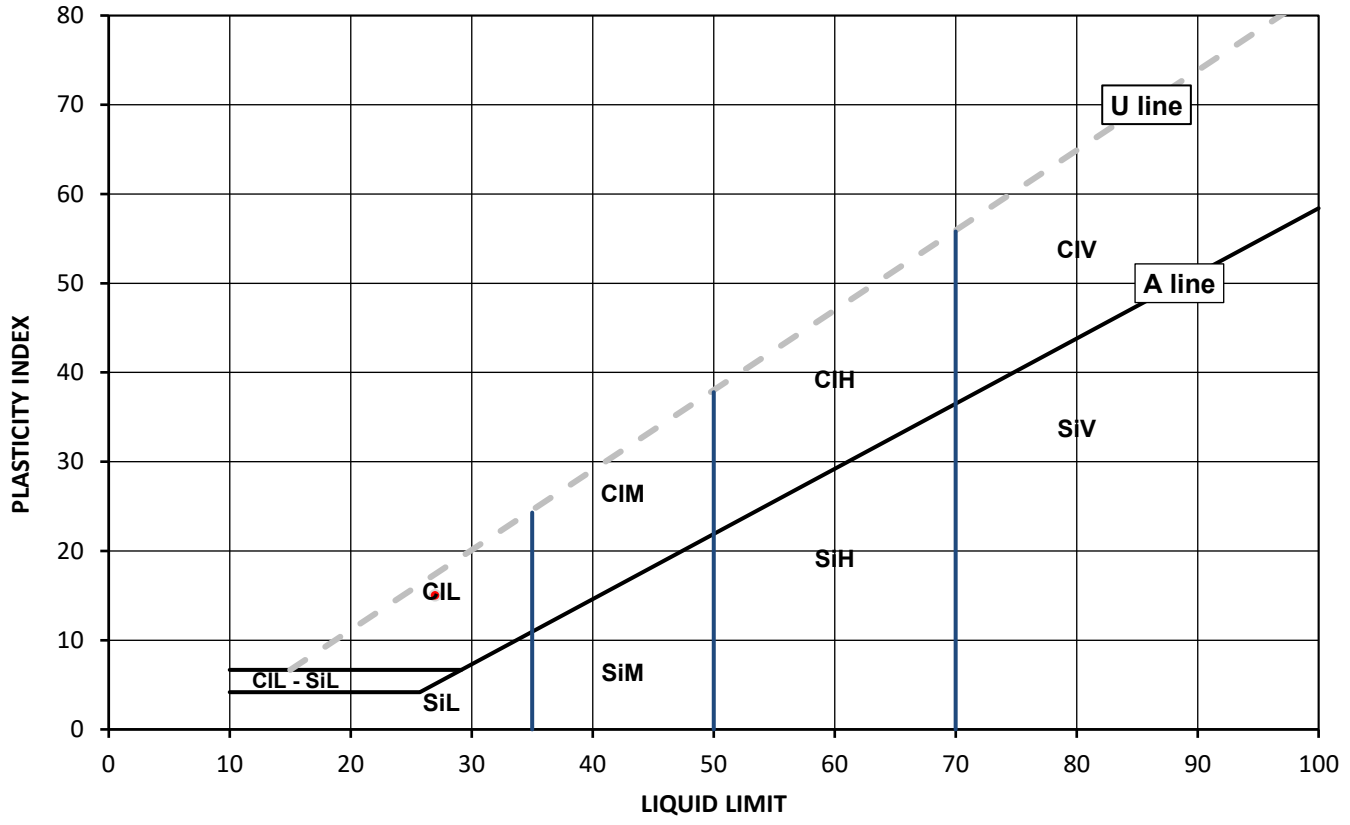
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	23/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570764	Depth Top [m]:	2.00
Hole No.:	DS08	Depth Base [m]:	4.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
17.8	27	12	15	0.40	0.60	99



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	25/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

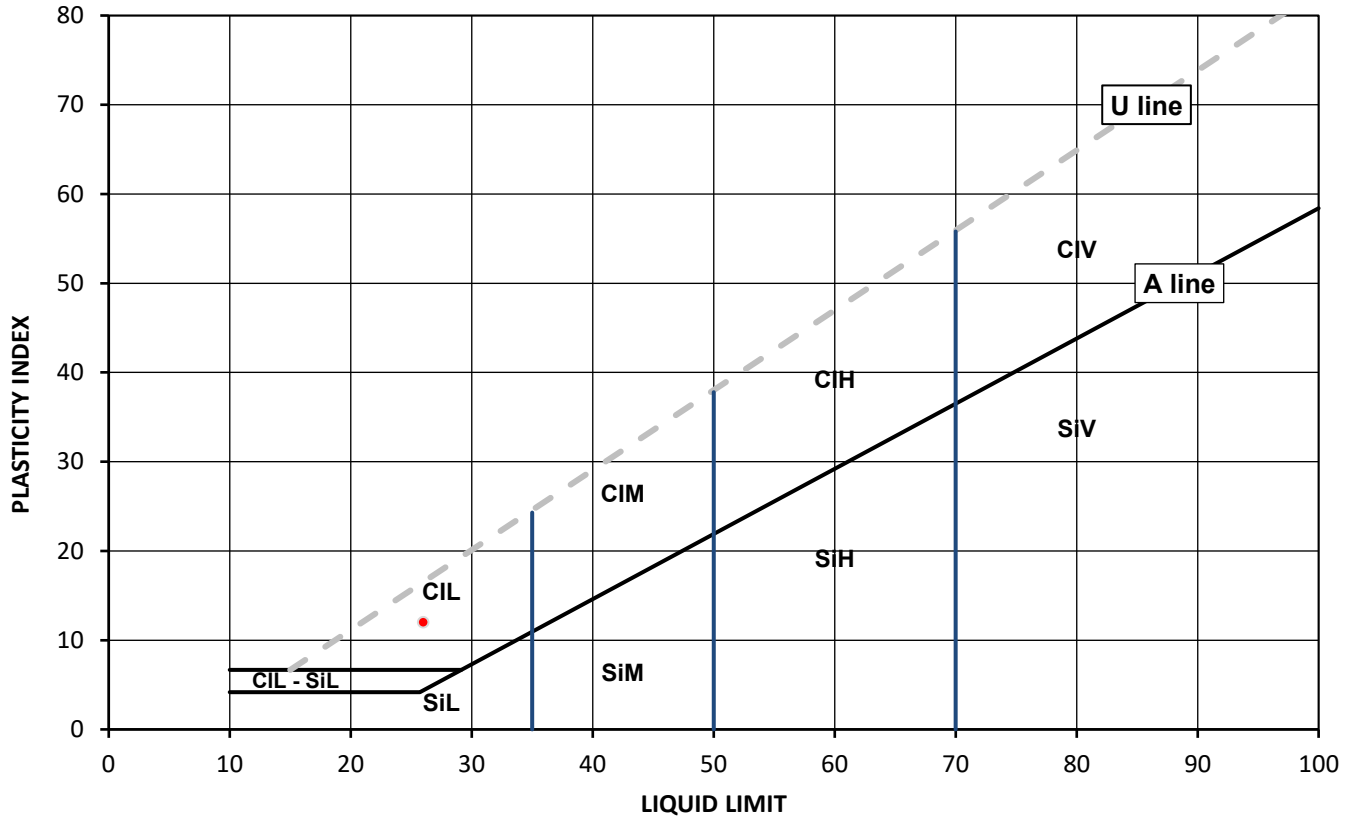
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570765	Depth Top [m]:	1.20
Hole No.:	DS02	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased
Cone Type: 80g/30deg

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
12.5	26	14	12	-0.08	1.08	95



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	25/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

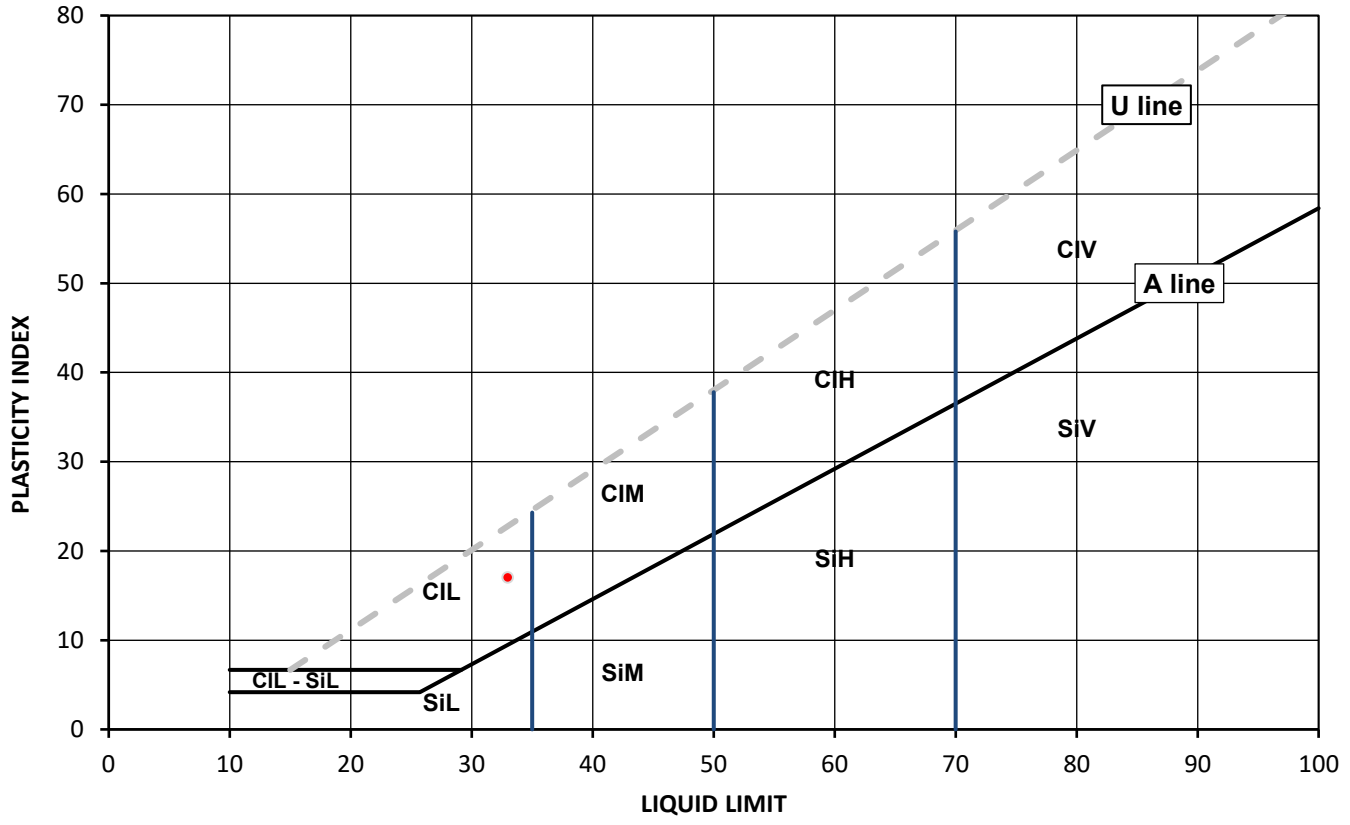
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570766	Depth Top [m]:	3.00
Hole No.:	DS05	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased
Cone Type: 80g/30deg

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
18.5	33	16	17	0.18	0.82	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
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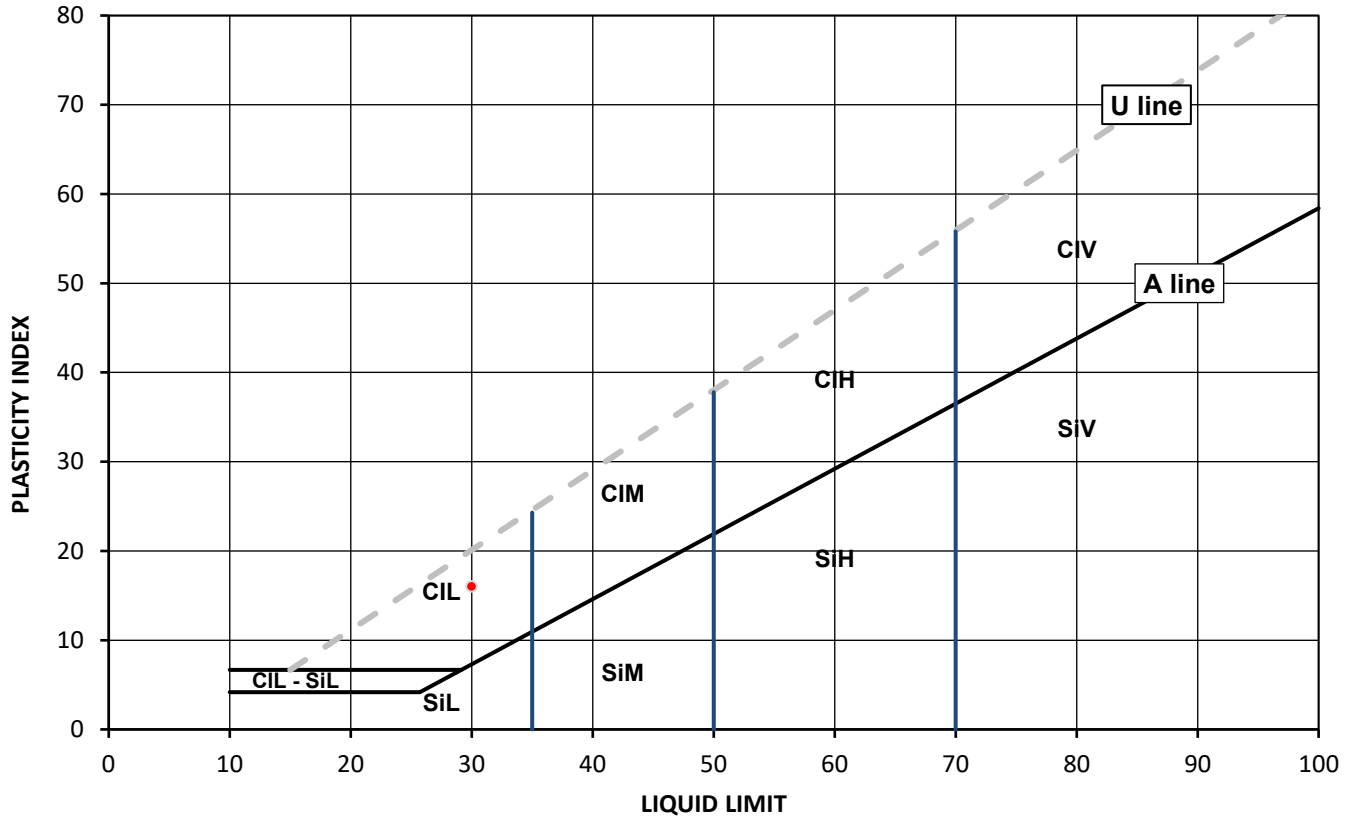
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570767	Depth Top [m]:	1.50
Hole No.:	DS01	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
17.1	30	14	16	0.19	0.81	98



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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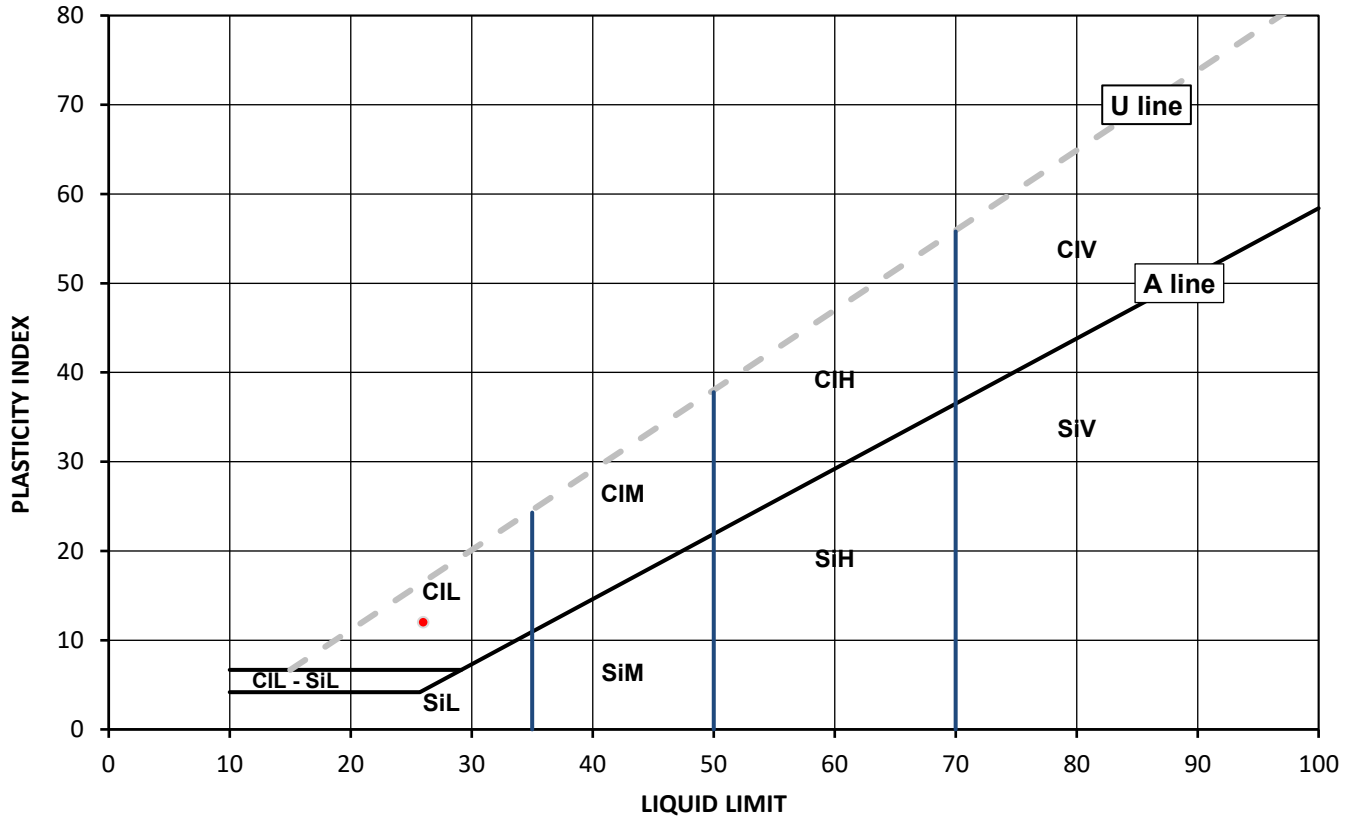
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570770	Depth Top [m]:	2.00
Hole No.:	TP10	Depth Base [m]:	2.10
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
15.4	26	14	12	0.08	0.92	96



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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Northampton NN4 7EB

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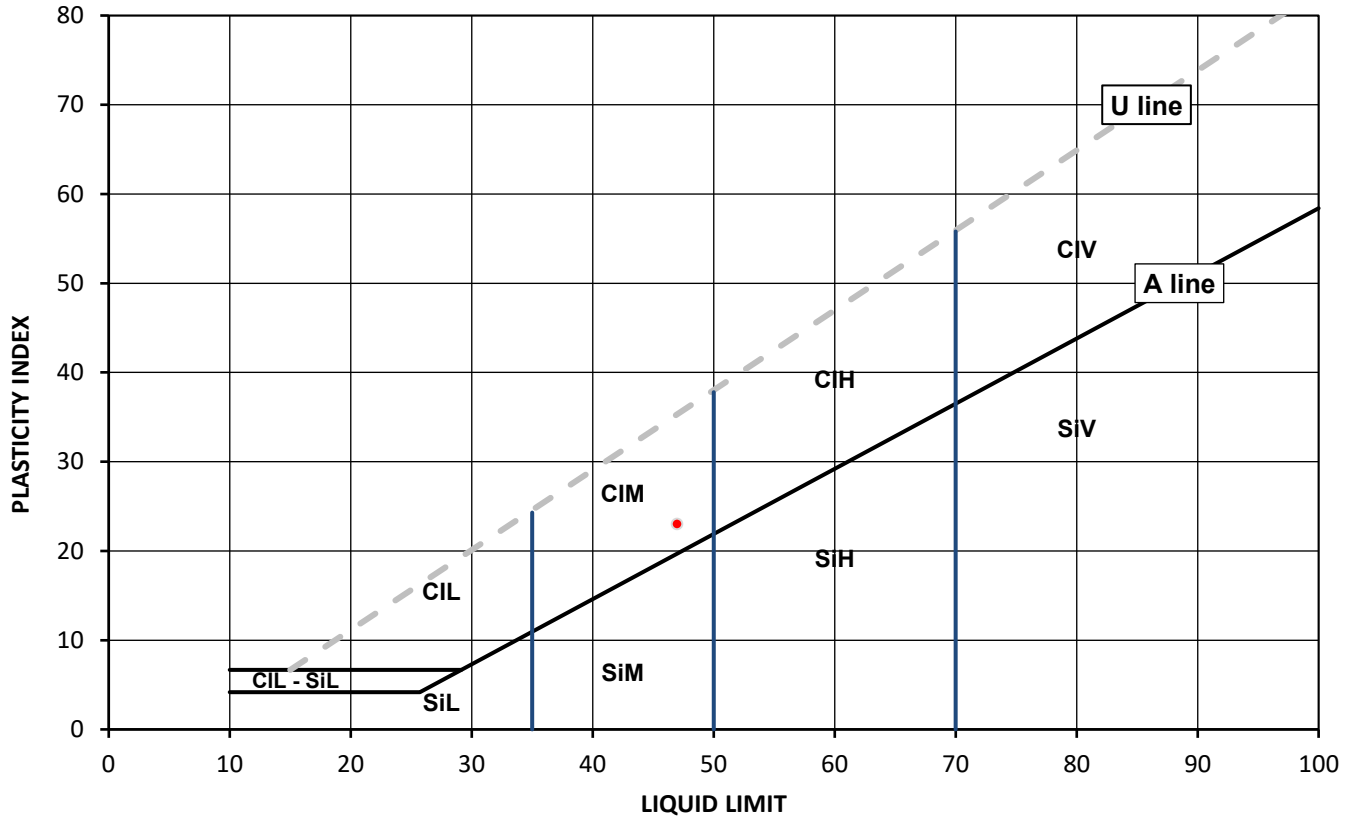
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570774	Depth Top [m]:	0.70
Hole No.:	TP14	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark grey slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
33.0	47	24	23	0.39	0.61	94



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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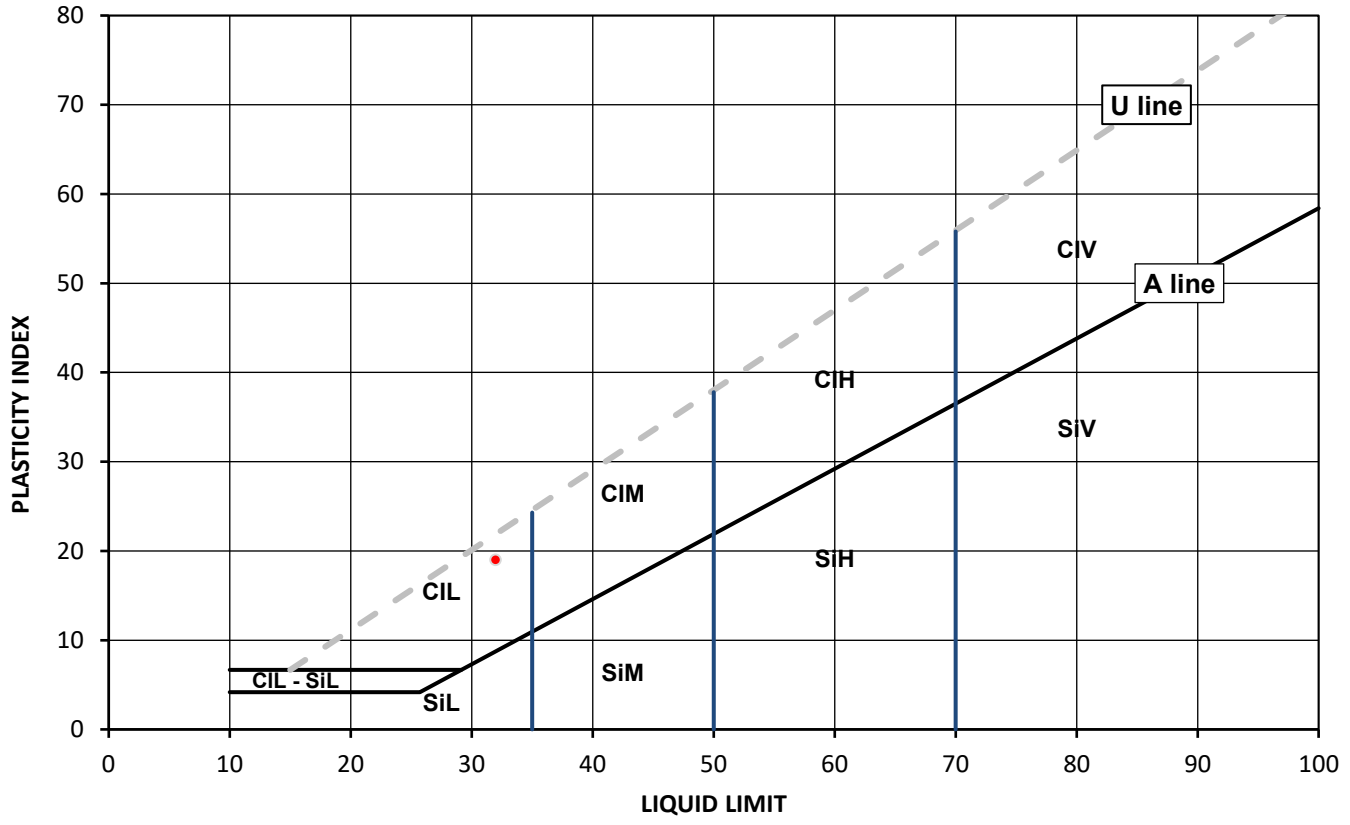
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570775	Depth Top [m]:	0.50
Hole No.:	TP15	Depth Base [m]:	0.60
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brownish grey slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
16.7	32	13	19	0.21	0.79	90



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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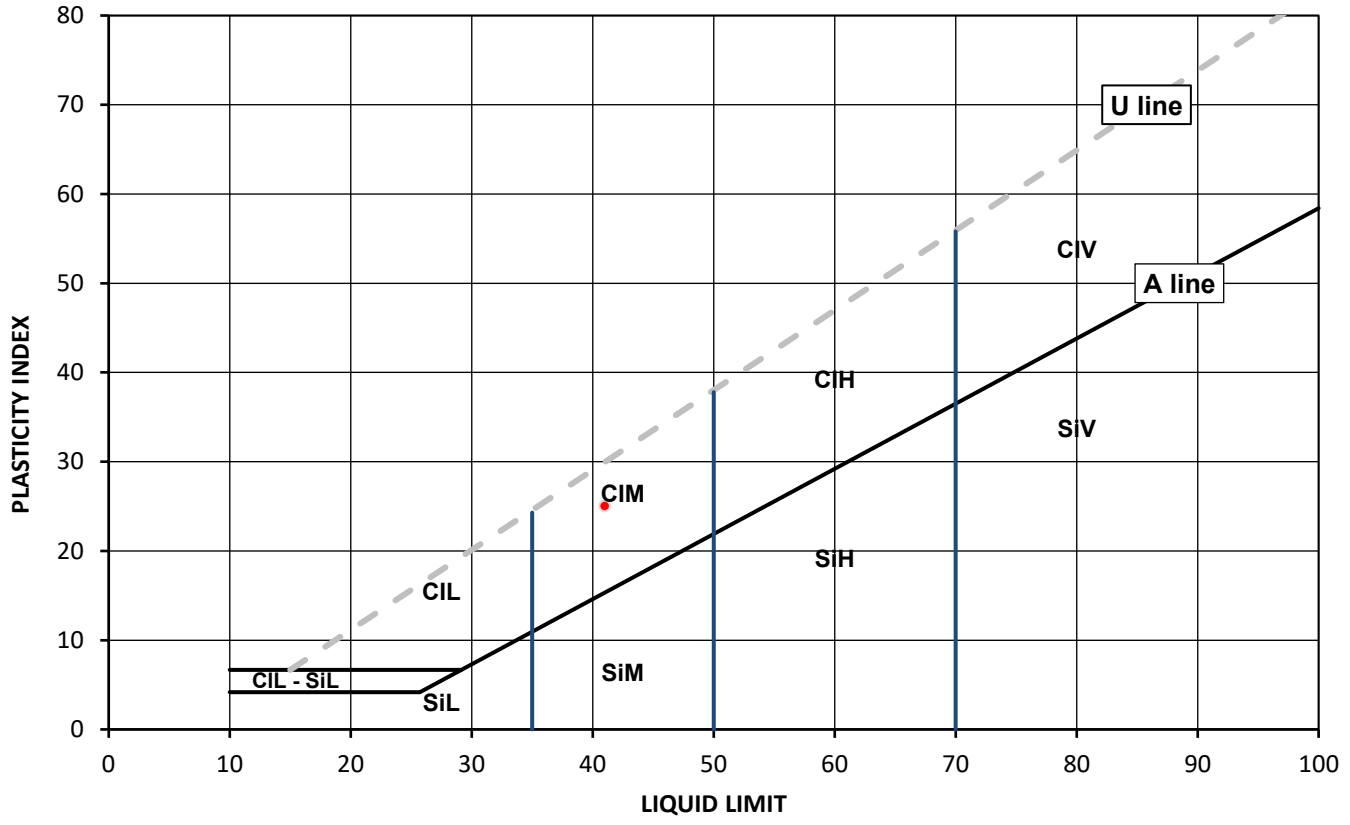
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570780	Depth Top [m]:	0.50
Hole No.:	TP24	Depth Base [m]:	0.60
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
18.3	41	16	25	0.08	0.92	96



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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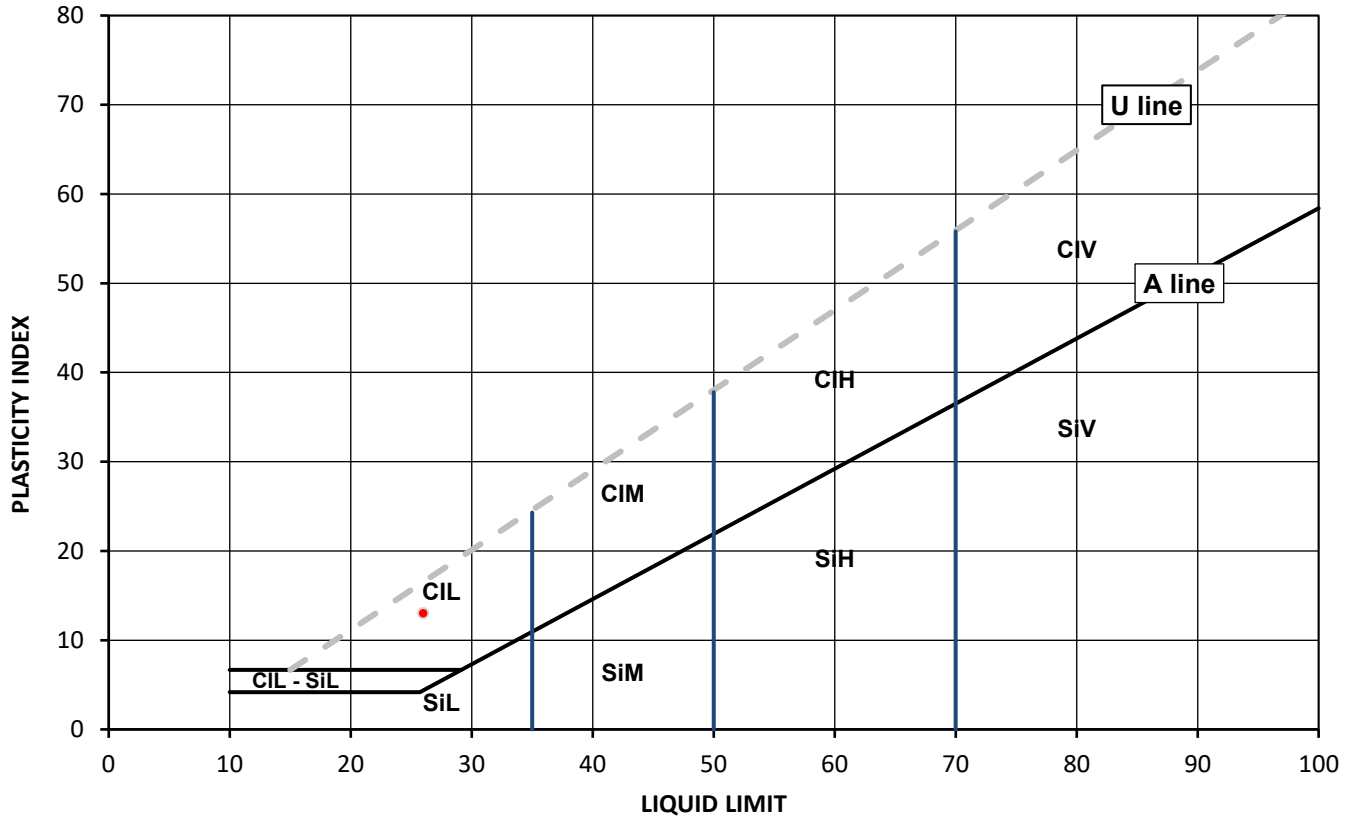
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570784	Depth Top [m]:	1.50
Hole No.:	TP20	Depth Base [m]:	1.60
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
15.6	26	13	13	0.23	0.77	95



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

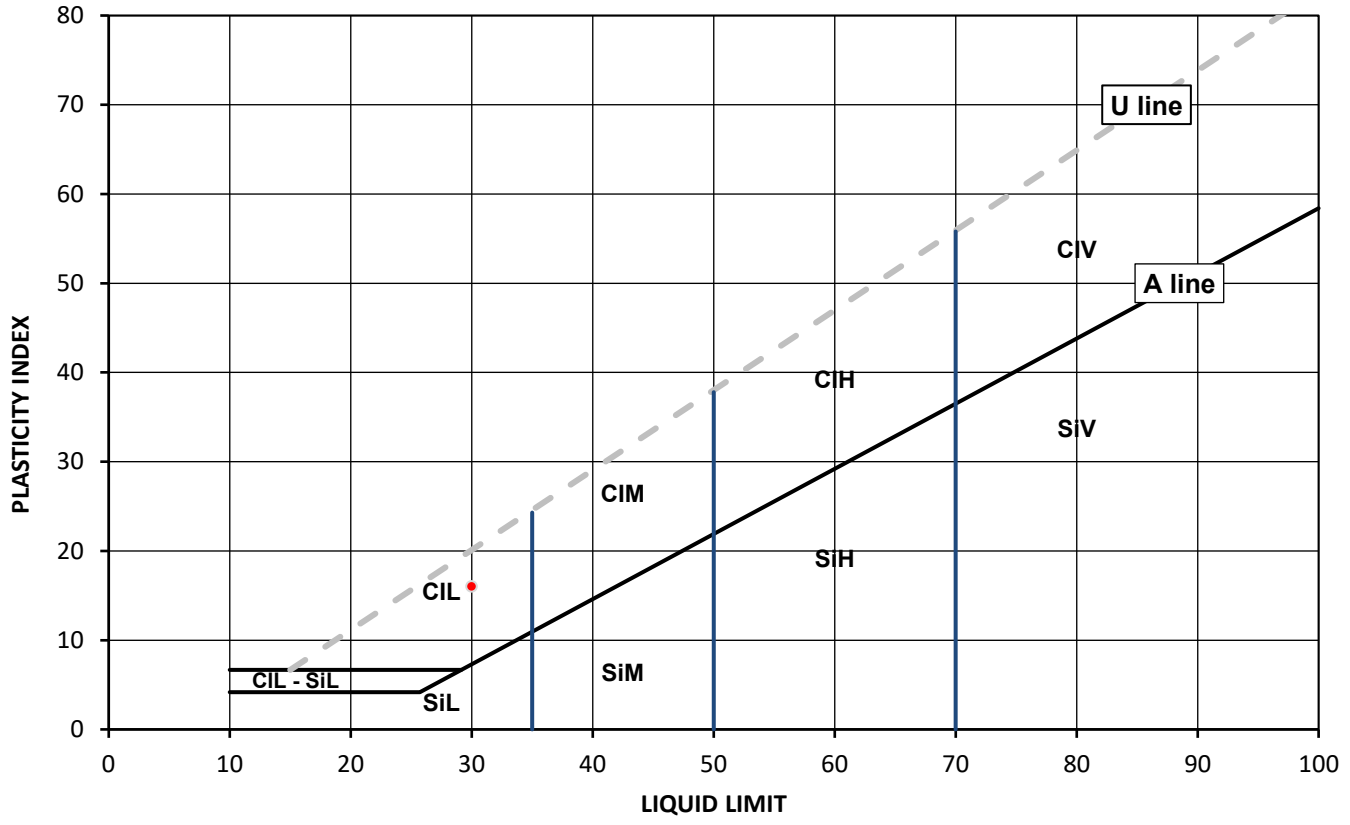
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570787	Depth Top [m]:	0.60
Hole No.:	TP23	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
13.1	30	14	16	-0.06	1.06	93



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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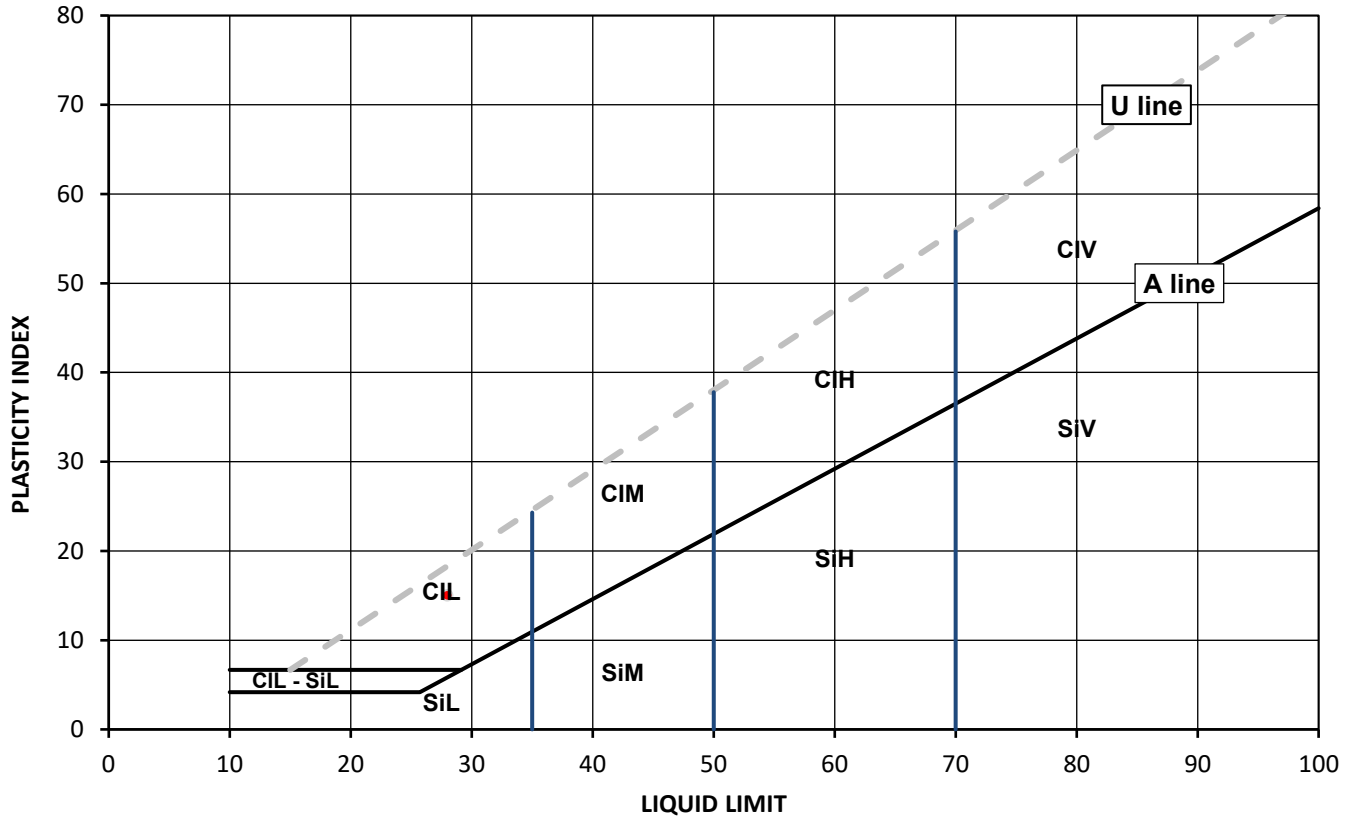
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570790	Depth Top [m]:	2.10
Hole No.:	TP08	Depth Base [m]:	2.20
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
14.4	28	13	15	0.07	0.93	93



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

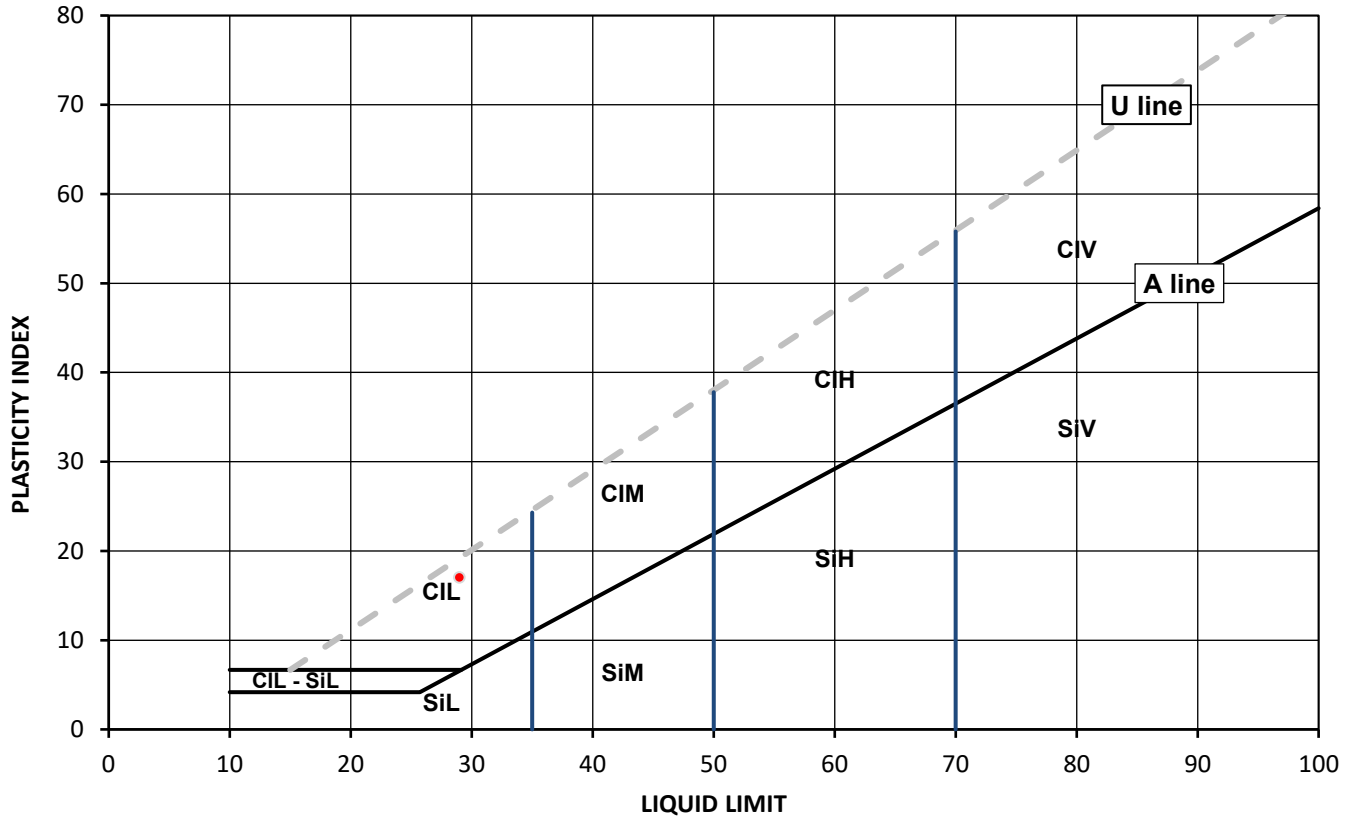
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570794	Depth Top [m]:	0.70
Hole No.:	TP06	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased
Cone Type: 80g/30deg

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
14.6	29	12	17	0.18	0.82	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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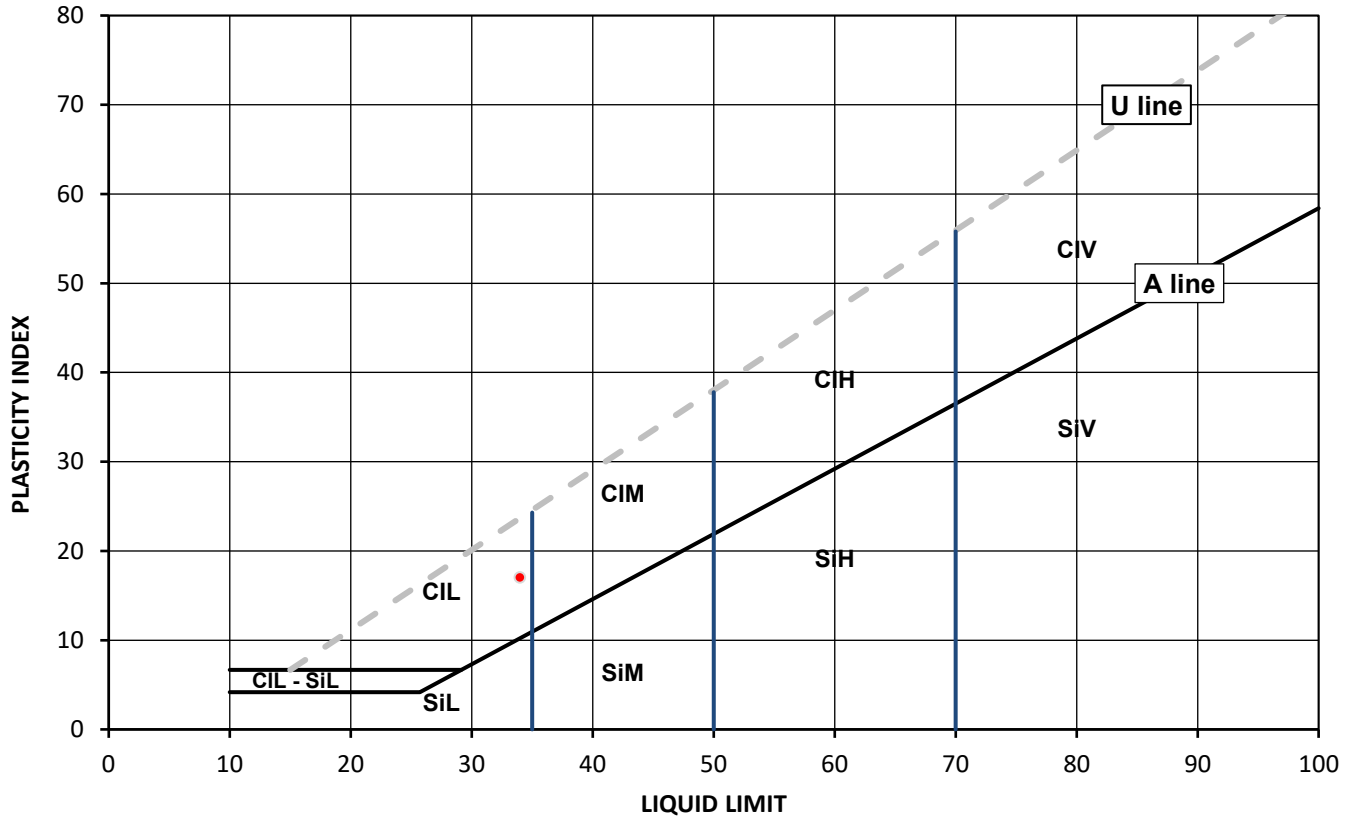
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570795	Depth Top [m]:	0.60
Hole No.:	TP02	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
14.2	34	17	17	-0.18	1.18	85



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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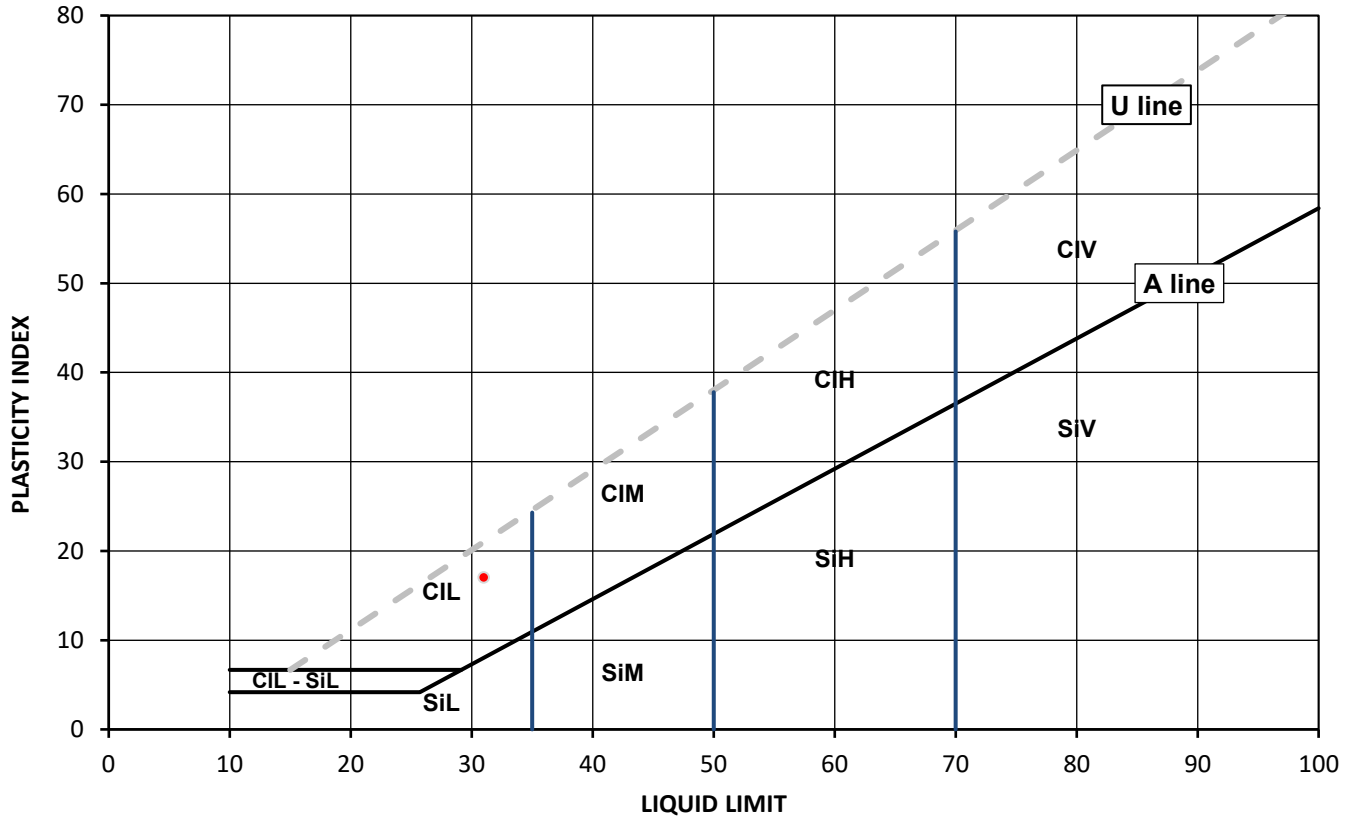
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570798	Depth Top [m]:	2.20
Hole No.:	TP03	Depth Base [m]:	2.30
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
17.0	31	14	17	0.18	0.82	92



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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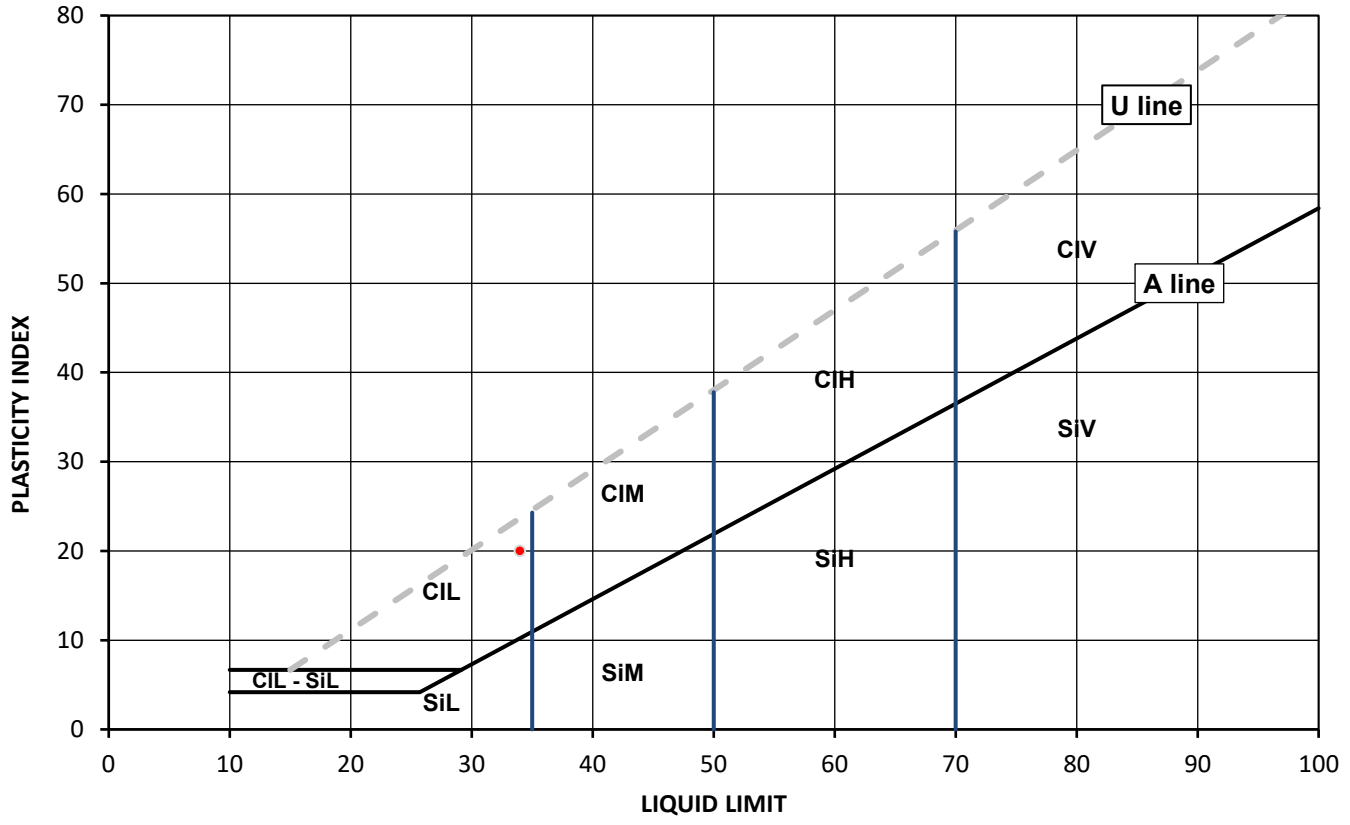
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570801	Depth Top [m]:	0.50
Hole No.:	TP01	Depth Base [m]:	0.60
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brownish grey slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
17.6	34	14	20	0.20	0.80	99



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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Northampton NN4 7EB

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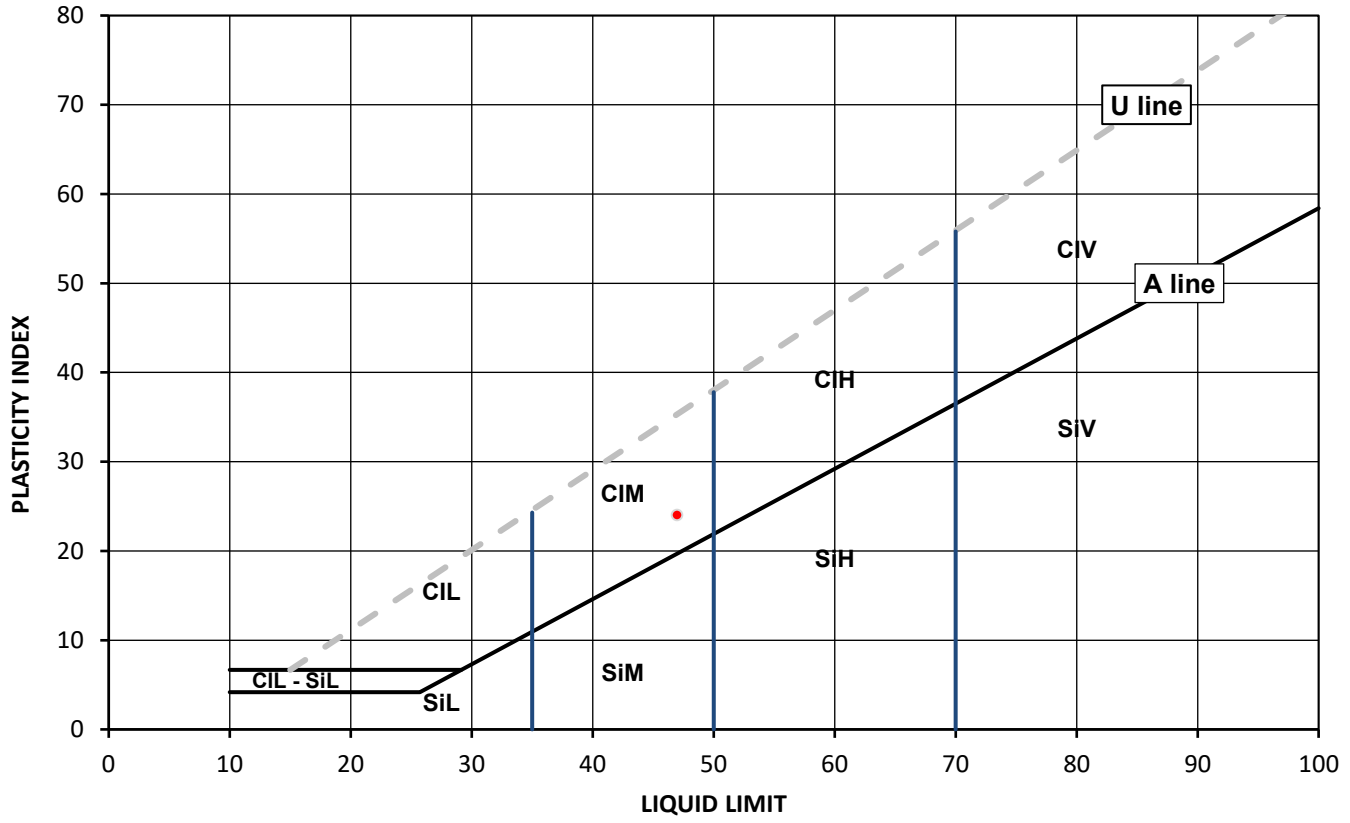
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	01/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570804	Depth Top [m]:	0.40
Hole No.:	TP31	Depth Base [m]:	0.60
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly slightly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
24.8	47	23	24	0.08	0.92	98



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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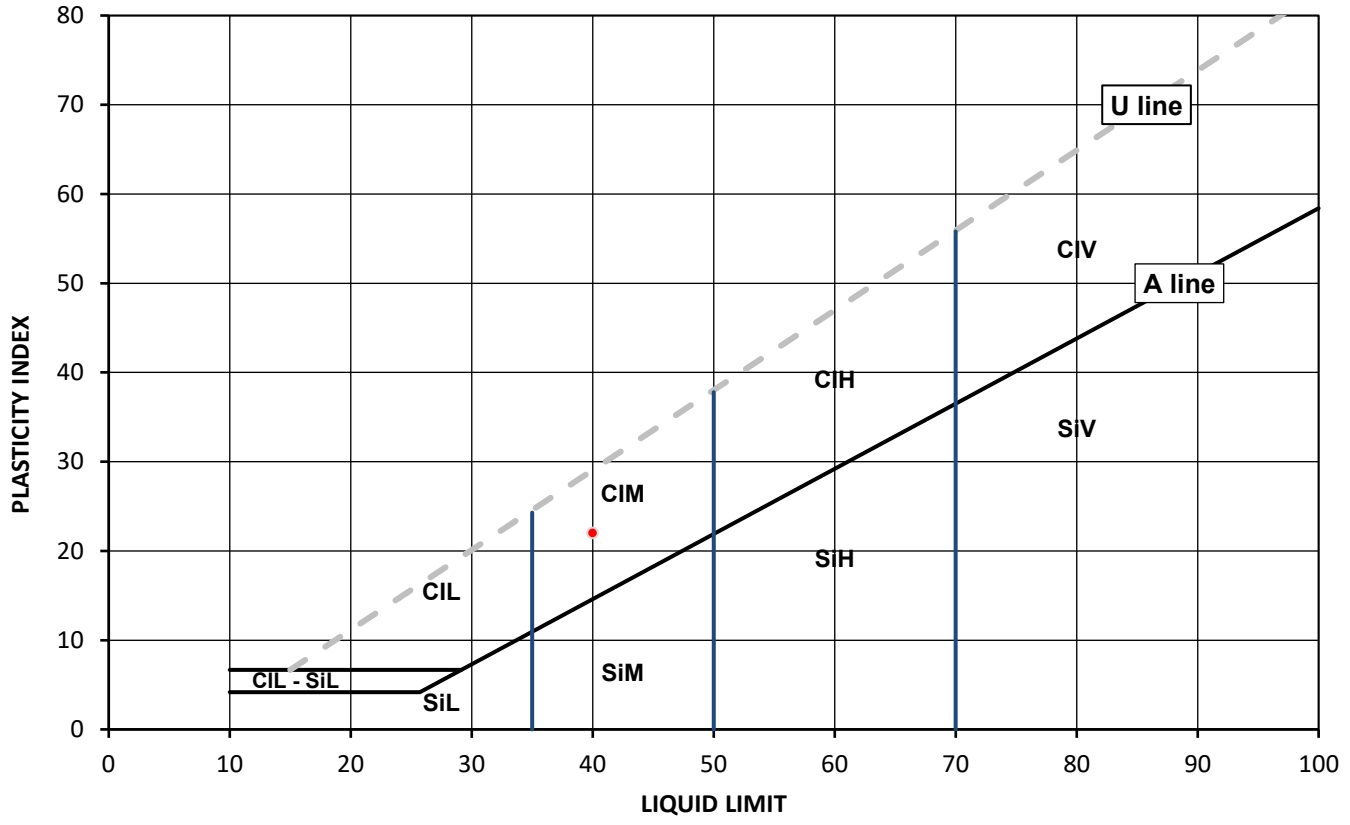
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	02/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570812	Depth Top [m]:	0.40
Hole No.:	TP36	Depth Base [m]:	0.50
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brownish grey slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
21.3	40	18	22	0.14	0.86	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
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		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

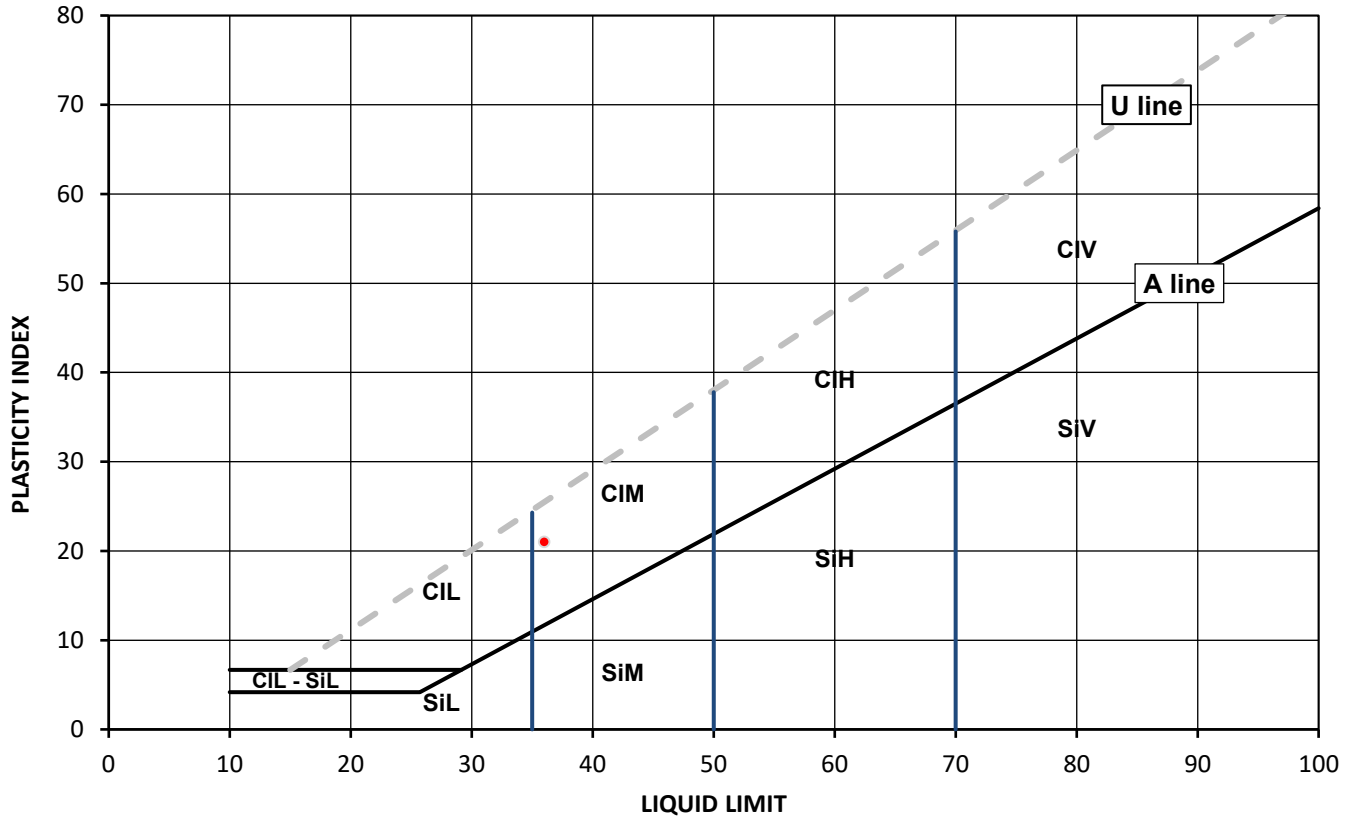
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570814	Depth Top [m]:	1.00
Hole No.:	DS14	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased
Cone Type: 80g/30deg

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
10.9	36	15	21	-0.19	1.19	88



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

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4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

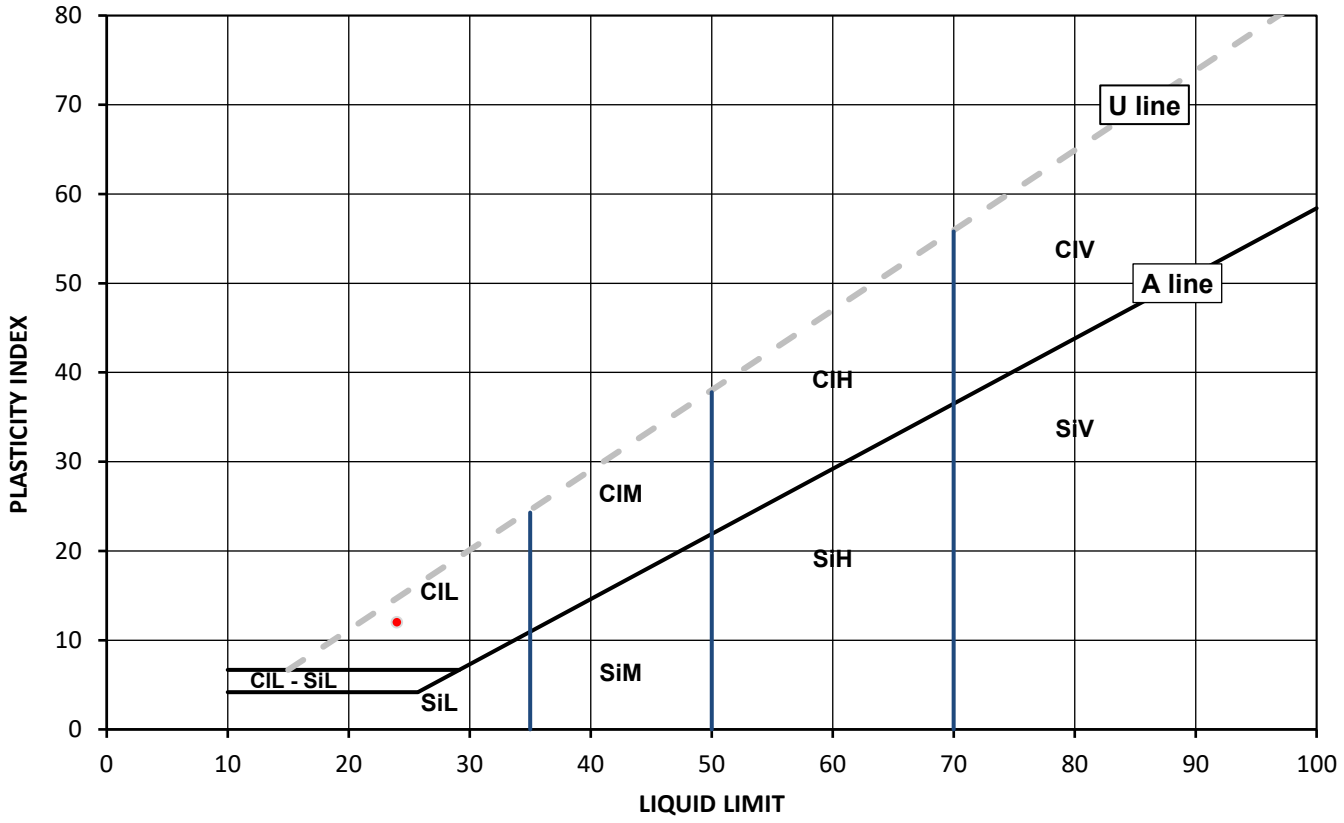
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570815	Depth Top [m]:	0.50
Hole No.:	DS15	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly clayey SAND		

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased
Cone Type: 80g/30deg

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
8.9	24	12	12	-0.25	1.25	96



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

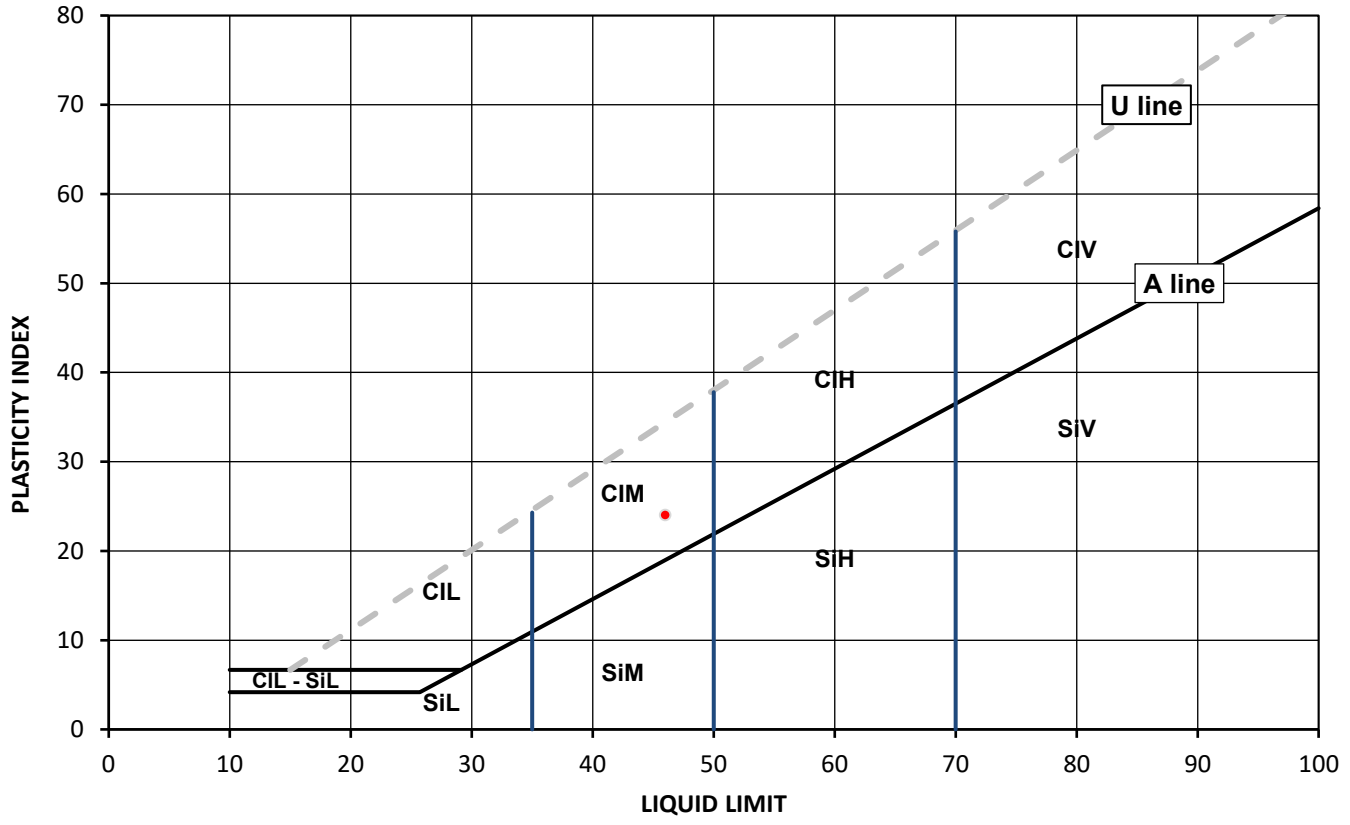
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	01/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570816	Depth Top [m]:	3.50
Hole No.:	DS06	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly slightly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
30.9	46	22	24	0.38	0.63	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

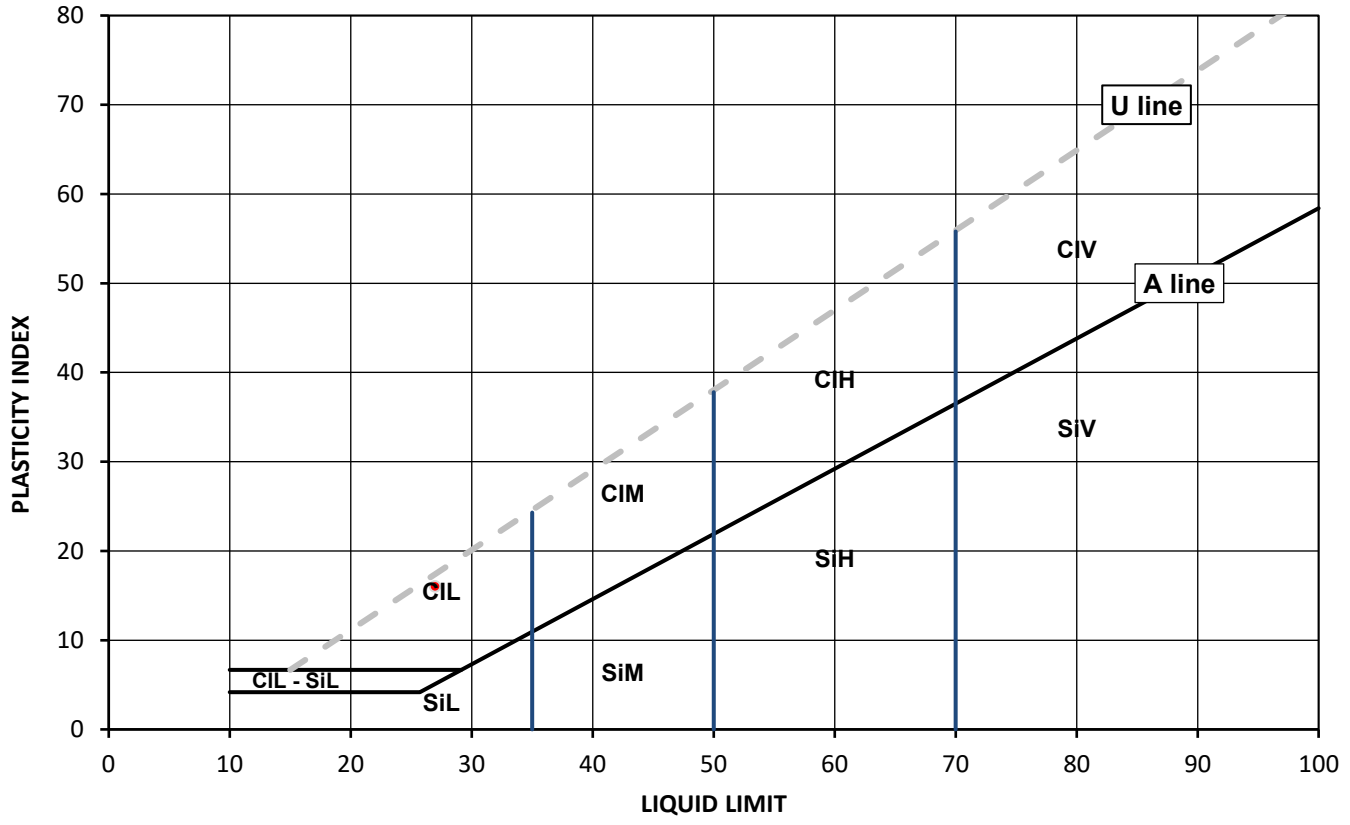
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570820	Depth Top [m]:	4.00
Hole No.:	RO02	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
8.9	27	11	16	-0.13	1.13	93



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

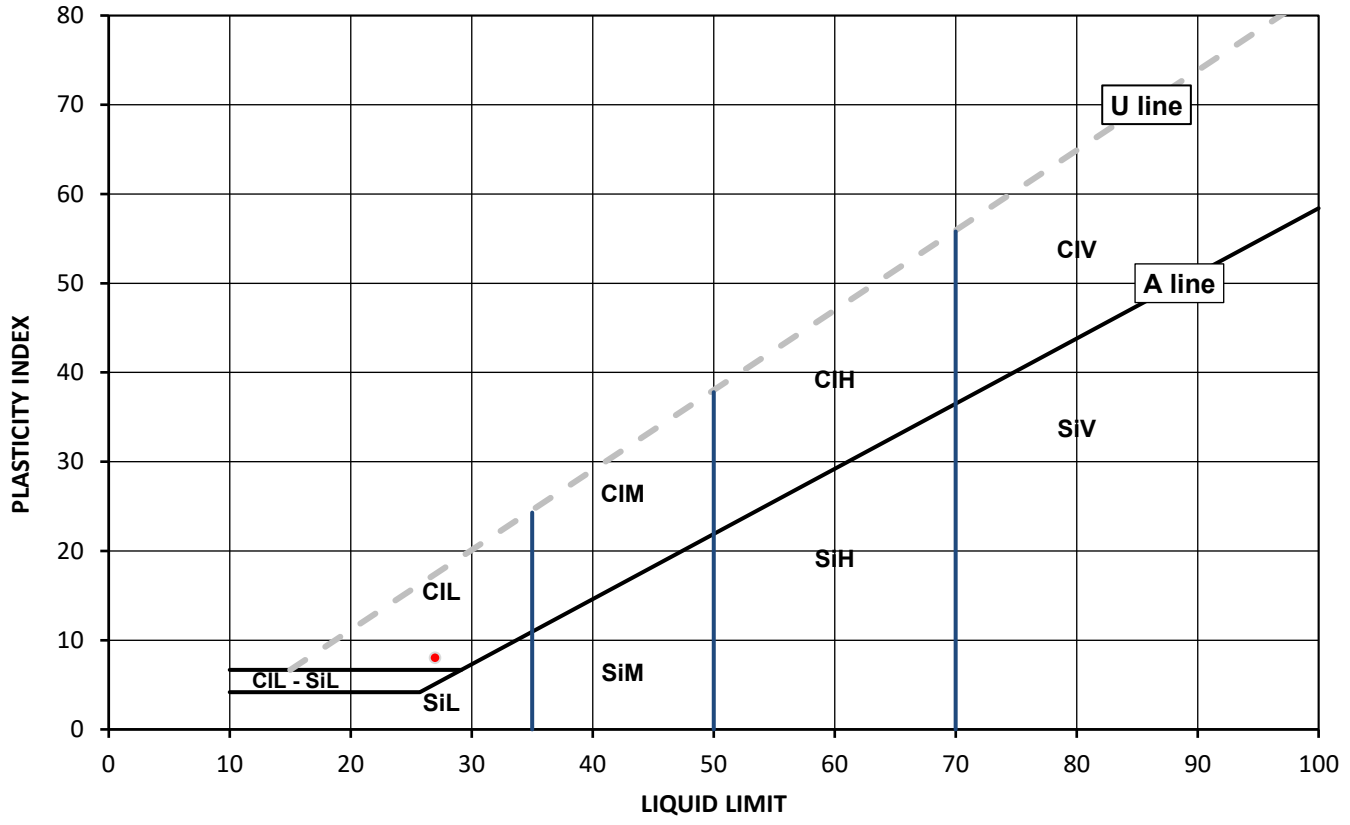
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572839	Depth Top [m]:	0.30
Hole No.:	TP51 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy silty CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
11.7	27	19	8	-0.88	1.88	88



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

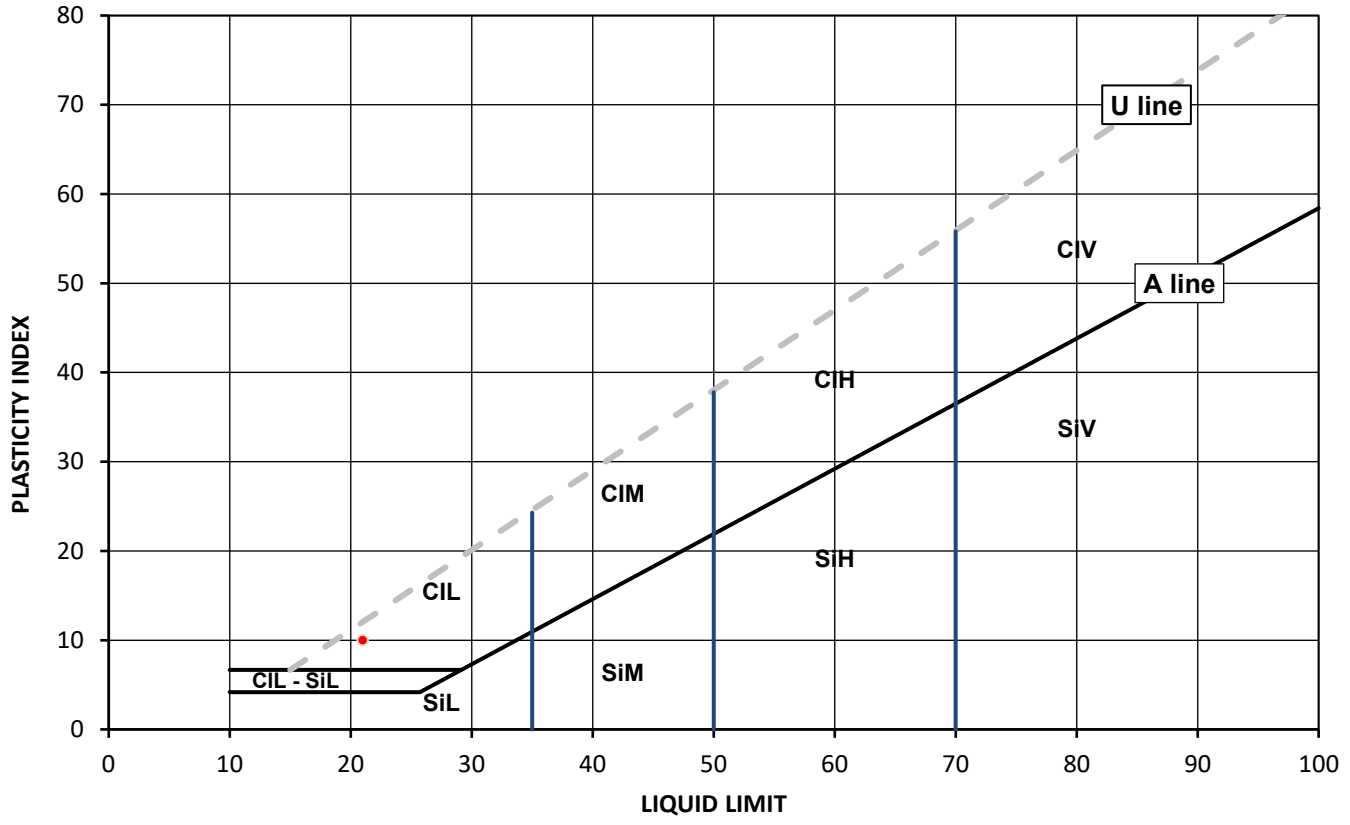
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572842	Depth Top [m]:	0.50
Hole No.:	TP71 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy silty CLAY		

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased
Cone Type: 80g/30deg

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
11.1	21	11	10	0.00	1.00	95



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Date Reported: 11/07/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

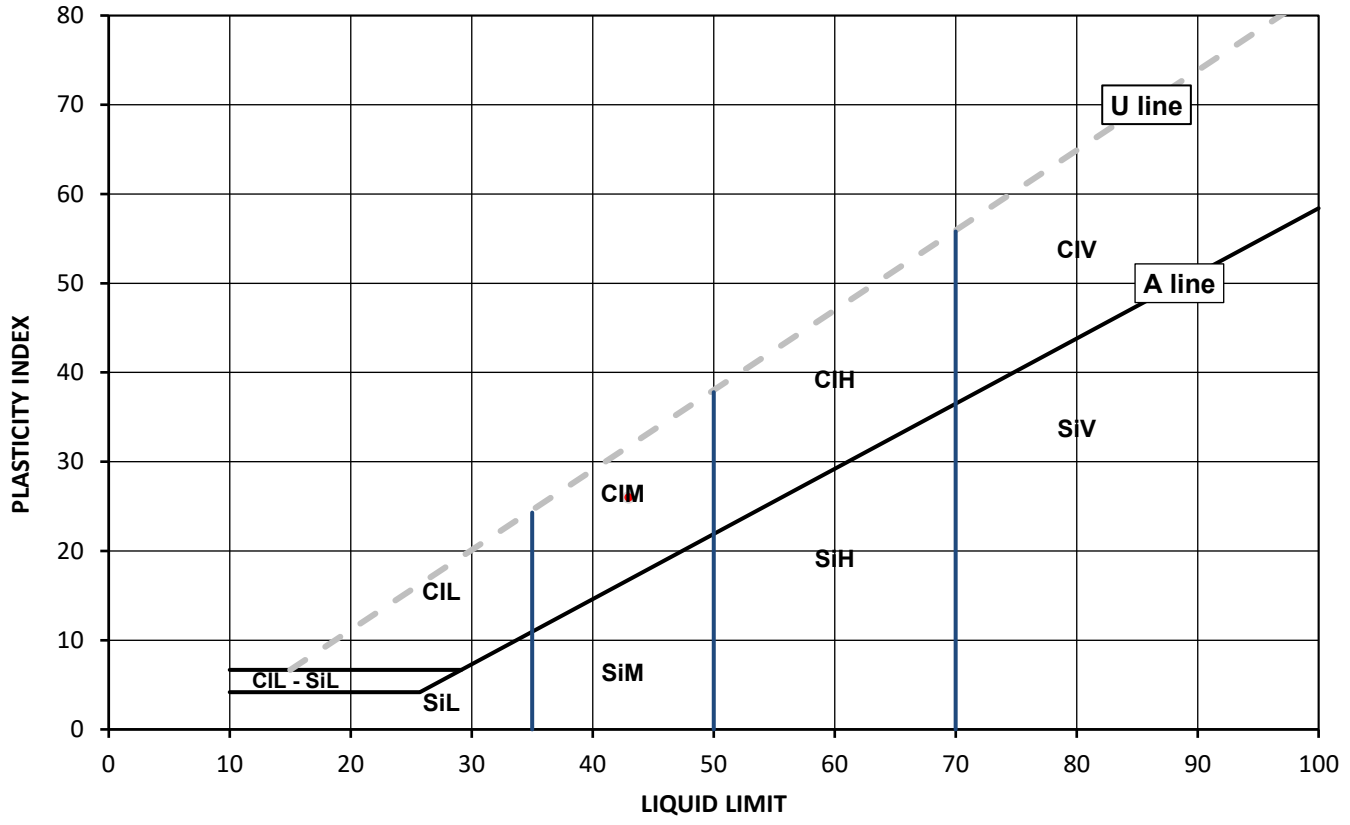
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572849	Depth Top [m]:	1.30
Hole No.:	TP41 3	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
22.4	43	17	26	0.19	0.81	96



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Date Reported: 11/07/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

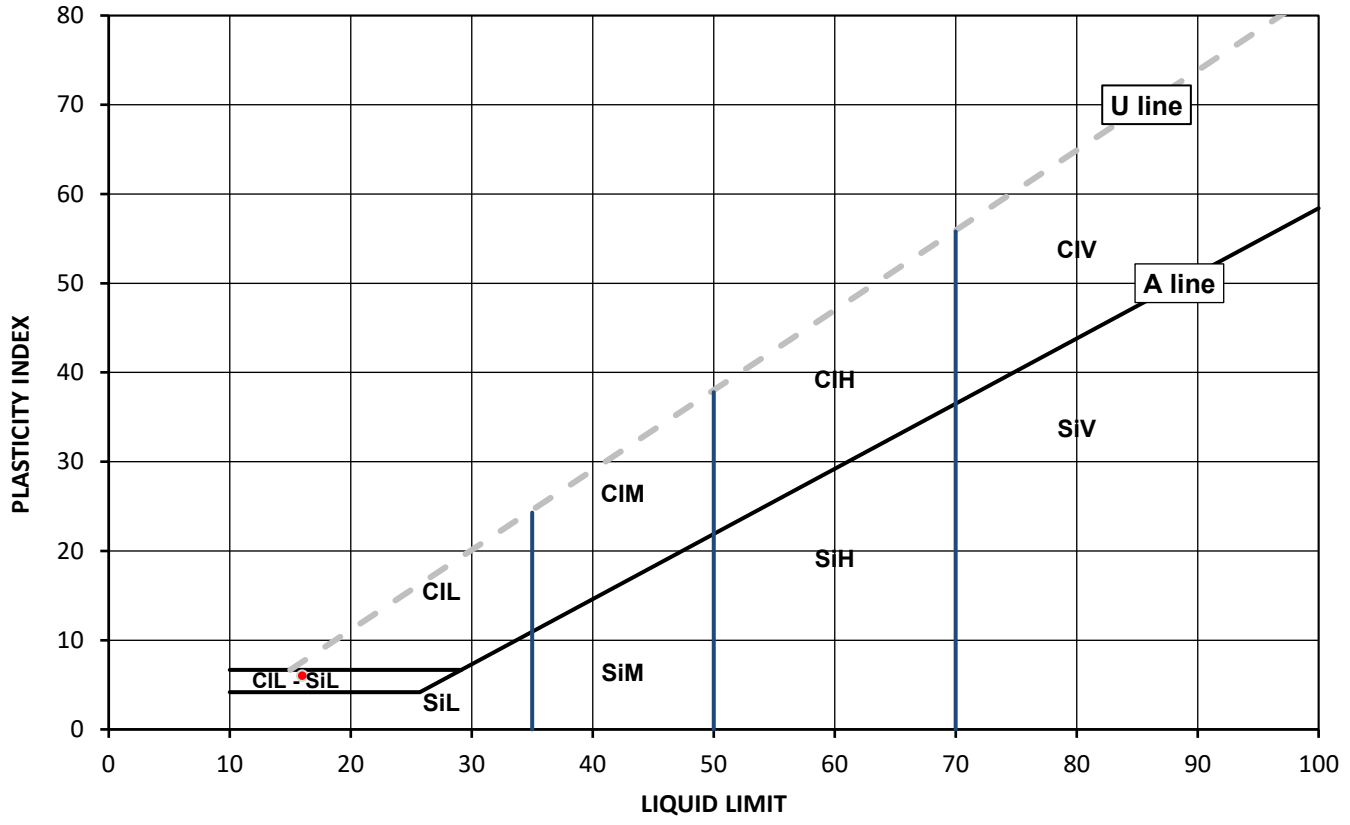
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572861	Depth Top [m]:	1.70
Hole No.:	DS10	Depth Base [m]:	1.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Light brownish grey slightly gravelly CLAY and SILT		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
15.6	16	10	6	1.00	0.00	97



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

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Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 337.14

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House, Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022. Particle Density by gas jar BS 1377-2:2022.

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 23/04 - 29/04/2025
Date Received: 16/05/2025
Date Tested: 20/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
570763	DS07	Not Given	1.20	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	21.6	97	36	-	15	21	80g/30 deg	R / I			
570764	DS08	Not Given	2.00	4.00	B	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	17.8	99	27	-	12	15	80g/30 deg	R / I			
570765	DS02	Not Given	1.20	Not Given	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	12.5	95	26	-	14	12	80g/30 deg	R / I			
570766	DS05	Not Given	3.00	Not Given	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	18.5	97	33	-	16	17	80g/30 deg	R / I			
570767	DS01	Not Given	1.50	Not Given	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	17.1	98	30	-	14	16	80g/30 deg	R / I			
570768	TP17	Not Given	1.40	1.50	B	Brown clayey SAND												2.66
570770	TP10	Not Given	2.00	2.10	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	15.4	96	26	-	14	12	80g/30 deg	R / I			
570774	TP14	Not Given	0.70	0.90	B	Dark grey slightly gravelly slightly sandy silty CLAY	Atterberg 4 Point	33.0	94	47	-	24	23	80g/30 deg	WR / I			
570775	TP15	Not Given	0.50	0.60	D	Brownish grey slightly gravelly very sandy CLAY	Atterberg 4 Point	16.7	90	32	-	13	19	80g/30 deg	R / I			
570780	TP24	Not Given	0.50	0.60	B	Brown slightly gravelly slightly sandy silty CLAY	Atterberg 4 Point	18.3	96	41	-	16	25	80g/30 deg	R / I			

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025 **GF 362.16**

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House, Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022. Particle Density by gas jar BS 1377-2:2022.

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 29/04 - 30/04/2025
Date Received: 16/05/2025
Date Tested: 20/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
570782	TP25	Not Given	1.20	1.30	B	Reddish brown slightly gravelly clayey SAND		7.6										
570783	TP20	Not Given	0.50	0.70	B	Brown sandy silty CLAY												2.72
570784	TP20	Not Given	1.50	1.60	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	15.6	95	26	-	13	13	80g/30 deg	R / I			
570787	TP23	Not Given	0.60	0.70	B	Reddish brown slightly gravelly very sandy CLAY	Atterberg 4 Point	13.1	93	30	-	14	16	80g/30 deg	WR / I			
570788	TP22	Not Given	0.50	0.60	B	Brown clayey SAND		8.5										2.66
570790	TP08	Not Given	2.10	2.20	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	14.4	93	28	-	13	15	80g/30 deg	R / I			
570791	TP08	Not Given	3.30	3.40	B	Dark brown gravelly CLAY												2.80
570794	TP06	Not Given	0.70	0.80	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	14.6	97	29	-	12	17	80g/30 deg	R / I			
570795	TP02	Not Given	0.60	0.70	B	Brown slightly gravelly slightly sandy silty CLAY	Atterberg 4 Point	14.2	85	34	-	17	17	80g/30 deg	WR / I			
570796	TP02	Not Given	1.90	2.00	D	Brown slightly gravelly very clayey SAND												2.65

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

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Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025 **GF 362.16**

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House, Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022. Particle Density by gas jar BS 1377-2:2022.

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 30/04 - 02/05/2025
Date Received: 16/05/2025
Date Tested: 17/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
570798	TP03	Not Given	2.20	2.30	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	17.0	92	31	-	14	17	80g/30 deg	R / I			
570799	TP03	Not Given	3.10	3.20	B	Brown slightly clayey SAND												2.69
570801	TP01	Not Given	0.50	0.60	D	Brownish grey slightly gravelly very sandy CLAY	Atterberg 4 Point	17.6	99	34	-	14	20	80g/30 deg	R / I			
570802	TP04	Not Given	0.90	1.00	B	Dark brown sandy silty CLAY		22.9										
570803	TP04	Not Given	2.40	2.50	B	Dark brown PEAT		129										
570804	TP31	Not Given	0.40	0.60	D	Brown slightly gravelly slightly sandy CLAY	Atterberg 4 Point	24.8	98	47	-	23	24	80g/30 deg	R / I			
570806	TP32	Not Given	2.00	2.20	B	Orangish brown clayey SAND												2.66
570810	TP37	Not Given	2.00	2.10	D	Brown gravelly SAND		6.9										
570812	TP36	Not Given	0.40	0.50	D	Brownish grey slightly gravelly sandy CLAY	Atterberg 4 Point	21.3	97	40	-	18	22	80g/30 deg	R / I			
570814	DS14	Not Given	1.00	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	10.9	88	36	-	15	21	80g/30 deg	R / I			

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025 **GF 362.16**

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House, Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022. Particle Density by gas jar BS 1377-2:2022.

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 30/04 - 28/05/2025
Date Received: 16/05/2025
Date Tested: 20/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
570815	DS15	Not Given	0.50	Not Given	D	Brown slightly gravelly clayey SAND	Atterberg 4 Point	8.9	96	24	-	12	12	80g/30 deg	R / I			
570816	DS06	Not Given	3.50	Not Given	D	Brown slightly gravelly slightly sandy CLAY	Atterberg 4 Point	30.9	97	46	-	22	24	80g/30 deg	R / I			
570817	DS26	Not Given	1.70	Not Given	D	Brown SAND		7.2										
570818	DS27	Not Given	1.90	Not Given	D	Brown SAND		10.5										
570820	RO02	Not Given	4.00	Not Given	D	Brown slightly gravelly very sandy CLAY	Atterberg 4 Point	8.9	93	27	-	11	16	80g/30 deg	R / I			
572838	TP48 1	Not Given	1.00	Not Given	B	Orangish brown gravelly SAND		9.9										2.45
572839	TP51 1	Not Given	0.30	Not Given	D	Brown slightly gravelly very sandy silty CLAY	Atterberg 4 Point	11.7	88	27	-	19	8	80g/30 deg	WR / I			
572841	TP51 4	Not Given	1.60	Not Given	B	Brown slightly sandy CLAY												2.63
572842	TP71 1	Not Given	0.50	Not Given	B	Brown slightly gravelly sandy silty CLAY	Atterberg 4 Point	11.1	95	21	-	11	10	80g/30 deg	R / I			2.66
572843	TP71 3	Not Given	1.80	Not Given	B	Brown slightly gravelly SAND												2.64

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

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Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025 **GF 362.16**

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House, Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022. Particle Density by gas jar BS 1377-2:2022.

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 30/04/2025
Date Received: 16/05/2025
Date Tested: 18/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
572846	TP46 2	Not Given	0.80	Not Given	B	Yellowish brown gravelly CLAY												2.70
572849	TP41 3	Not Given	1.30	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	22.4	96	43	-	17	26	80g/30 deg	R / I			
572851	TP40 3	Not Given	0.70	Not Given	D	Reddish brown slightly gravelly sandy CLAY		12.2										
572853	Combine TP42@1.4+ TP40@1.3 + TP40@2.0	Not Given	1.30	2.00	B	Brown slightly gravelly clayey SAND												2.66
572855	TP45 4	Not Given	2.10	Not Given	B	Orangish brown gravelly clayey SAND												2.66
572857	TP43 3	Not Given	0.90	Not Given	B	Brown SAND												2.56
572859	TP44 1	Not Given	0.70	Not Given	B	Brown slightly clayey SAND												2.66
572861	DS10	Not Given	1.70	1.80	B	Light brownish grey slightly gravelly CLAY and SILT	Atterberg 4 Point	15.6	97	16	-	10	6	80g/30 deg	R / I			

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025 **GF 362.16**

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 23/04 - 29/04/2025
Date Received: 16/05/2025
Date Tested: 17/06 - 20/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
570763	DS07	Not Given	1.20	Not Given	D	Brown slightly gravelly sandy CLAY		21.6											
570764	DS08	Not Given	2.00	4.00	B	Brown slightly gravelly very sandy CLAY		17.8											
570765	DS02	Not Given	1.20	Not Given	D	Brown slightly gravelly very sandy CLAY		12.5											
570766	DS05	Not Given	3.00	Not Given	D	Brown slightly gravelly very sandy CLAY		18.5											
570767	DS01	Not Given	1.50	Not Given	D	Brown slightly gravelly very sandy CLAY		17.1											
570770	TP10	Not Given	2.00	2.10	D	Brown slightly gravelly very sandy CLAY		15.4											
570774	TP14	Not Given	0.70	0.90	B	Dark grey slightly gravelly slightly sandy silty CLAY		33.0											
570775	TP15	Not Given	0.50	0.60	D	Brownish grey slightly gravelly very sandy CLAY		16.7											
570780	TP24	Not Given	0.50	0.60	B	Brown slightly gravelly slightly sandy silty CLAY		18.3											
570782	TP25	Not Given	1.20	1.30	B	Reddish brown slightly gravelly clayey SAND		7.6											

Comments:

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Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 126.19

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 29/04 - 01/05/2025
Date Received: 16/05/2025
Date Tested: 17/06 - 20/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
570784	TP20	Not Given	1.50	1.60	D	Brown slightly gravelly very sandy CLAY		15.6											
570787	TP23	Not Given	0.60	0.70	B	Reddish brown slightly gravelly very sandy CLAY		13.1											
570788	TP22	Not Given	0.50	0.60	B	Brown clayey SAND		8.5											
570790	TP08	Not Given	2.10	2.20	D	Brown slightly gravelly very sandy CLAY		14.4											
570794	TP06	Not Given	0.70	0.80	D	Brown slightly gravelly very sandy CLAY		14.6											
570795	TP02	Not Given	0.60	0.70	B	Brown slightly gravelly slightly sandy silty CLAY		14.2											
570798	TP03	Not Given	2.20	2.30	D	Brown slightly gravelly very sandy CLAY		17.0											
570801	TP01	Not Given	0.50	0.60	D	Brownish grey slightly gravelly very sandy CLAY		17.6											
570802	TP04	Not Given	0.90	1.00	B	Dark brown sandy silty CLAY		22.9											
570803	TP04	Not Given	2.40	2.50	B	Dark brown PEAT	Due to the material being temperature sensitive, the operational oven temperature was 40˚C	129											

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 126.19

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 30/04 - 28/05/2025
Date Received: 16/05/2025
Date Tested: 17/06 - 19/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
570804	TP31	Not Given	0.40	0.60	D	Brown slightly gravelly slightly sandy CLAY		24.8											
570810	TP37	Not Given	2.00	2.10	D	Brown gravelly SAND		6.9											
570812	TP36	Not Given	0.40	0.50	D	Brownish grey slightly gravelly sandy CLAY		21.3											
570814	DS14	Not Given	1.00	Not Given	D	Brown slightly gravelly sandy CLAY		10.9											
570815	DS15	Not Given	0.50	Not Given	D	Brown slightly gravelly clayey SAND		8.9											
570816	DS06	Not Given	3.50	Not Given	D	Brown slightly gravelly slightly sandy CLAY		30.9											
570817	DS26	Not Given	1.70	Not Given	D	Brown SAND		7.2											
570818	DS27	Not Given	1.90	Not Given	D	Brown SAND		10.5											
570820	RO02	Not Given	4.00	Not Given	D	Brown slightly gravelly very sandy CLAY		8.9											
572838	TP48 1	Not Given	1.00	Not Given	B	Orangish brown gravelly SAND		9.9											

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 126.19

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 30/04/2025
Date Received: 16/05/2025
Date Tested: 18/06 - 20/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
572839	TP51 1	Not Given	0.30	Not Given	D	Brown slightly gravelly very sandy silty CLAY		11.7											
572842	TP71 1	Not Given	0.50	Not Given	B	Brown slightly gravelly sandy silty CLAY		11.1											
572849	TP41 3	Not Given	1.30	Not Given	D	Brown slightly gravelly sandy CLAY		22.4											
572851	TP40 3	Not Given	0.70	Not Given	D	Reddish brown slightly gravelly sandy CLAY		12.2											
572861	DS10	Not Given	1.70	1.80	B	Light brownish grey slightly gravelly CLAY and SILT		15.6											

Comments:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

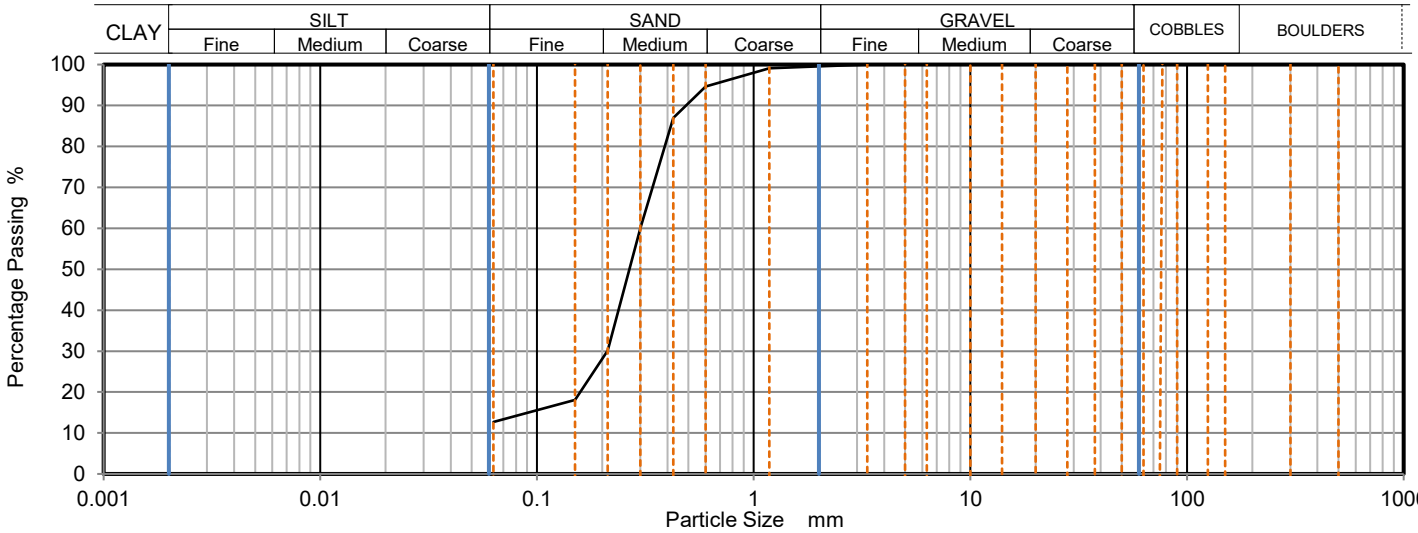
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570768	Depth Top [m]:	1.40
Hole No.:	TP17	Depth Base [m]:	1.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	99		
0.6	95		
0.425	87		
0.3	60		
0.212	30		
0.15	18		
0.063	13		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	87
Fines <0.063 mm	13

Grading Analysis		
D100	mm	3.35
D60	mm	0.3
D30	mm	0.212
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

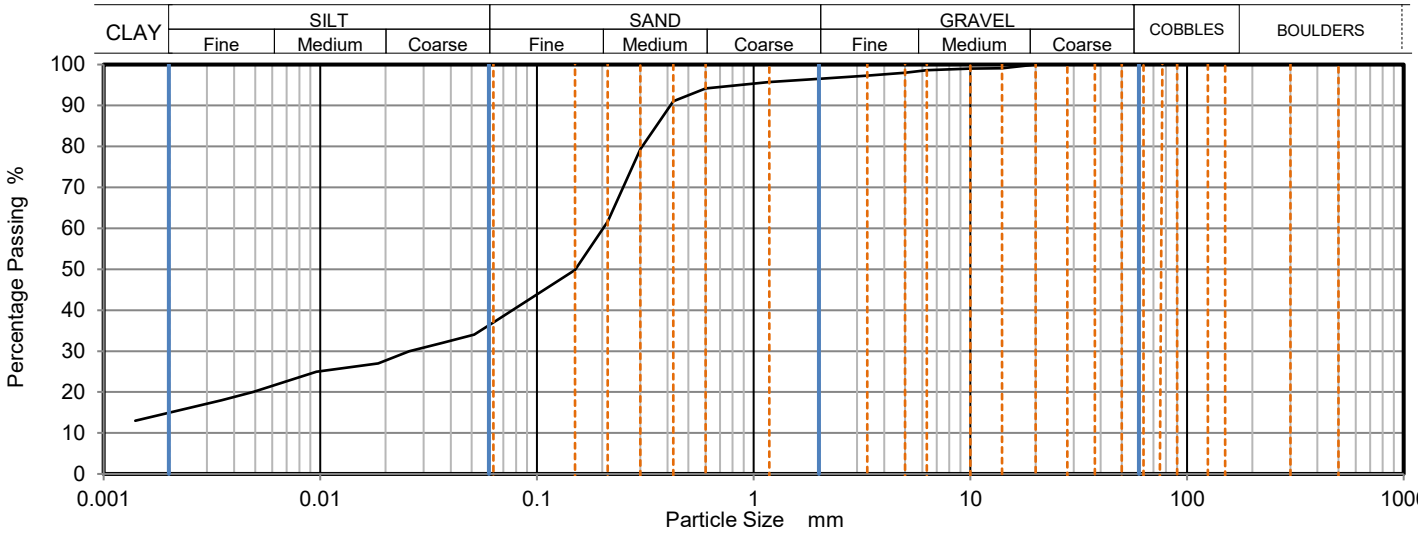
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570771	Depth Top [m]:	1.90
Hole No.:	TP12	Depth Base [m]:	2.10
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0513	34
300	100	0.0365	32
150	100	0.0257	30
125	100	0.0185	27
90	100	0.0096	25
75	100	0.0049	20
63	100	0.0035	18
50	100	0.0014	13
37.5	100		
28	100		
20	100		
14	99		
10	99		
6.3	99		
5	98		
3.35	97		
2	97		
1.18	96		
0.6	94	Particle density	(assumed)
0.425	91	2.65	Mg/m3
0.3	79		
0.212	62		
0.15	50		
0.063	37		

Sample Proportions	% dry mass
Very coarse	0
Gravel	3
Sand	60
Silt	22
Clay	15

Grading Analysis		
D100	mm	20
D60	mm	0.203
D30	mm	0.025
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

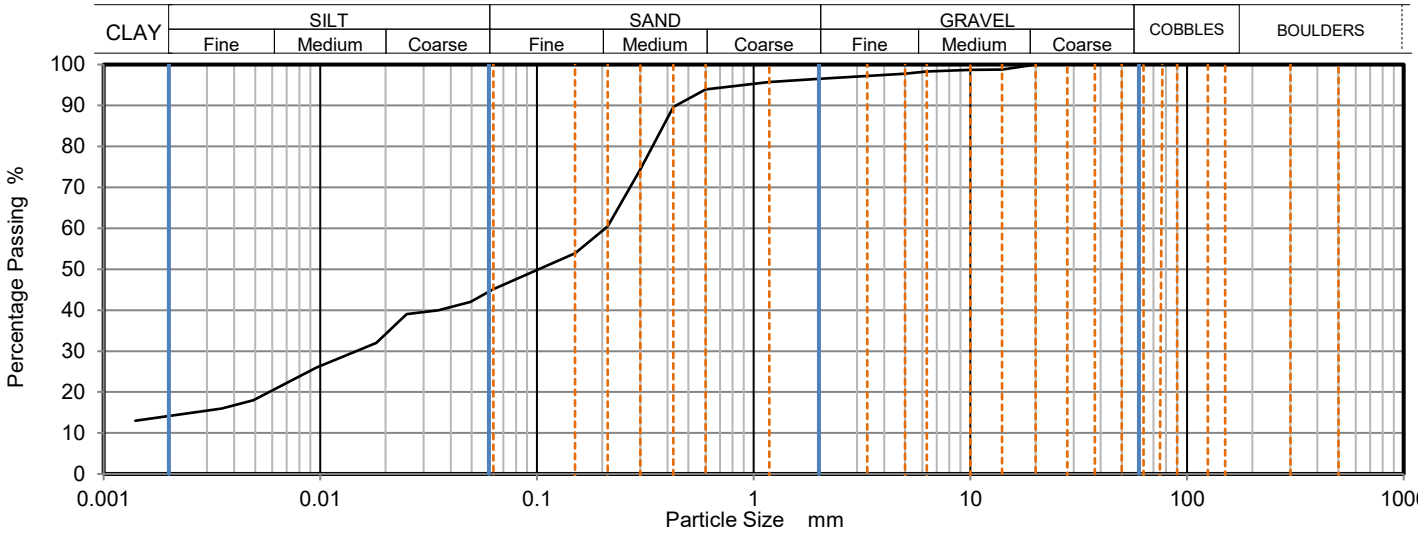
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570772	Depth Top [m]:	0.80
Hole No.:	TP11	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0493	42
300	100	0.0351	40
150	100	0.0250	39
125	100	0.0181	32
90	100	0.0096	26
75	100	0.0049	18
63	100	0.0035	16
50	100	0.0014	13
37.5	100		
28	100		
20	100		
14	99		
10	99		
6.3	98		
5	98		
3.35	97		
2	97		
1.18	96		
0.6	94	Particle density	(assumed)
0.425	90	2.65	Mg/m3
0.3	74		
0.212	61		
0.15	54		
0.063	45		

Sample Proportions	% dry mass
Very coarse	0
Gravel	4
Sand	51
Silt	31
Clay	14

Grading Analysis		
D100	mm	20
D60	mm	0.206
D30	mm	0.0146
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

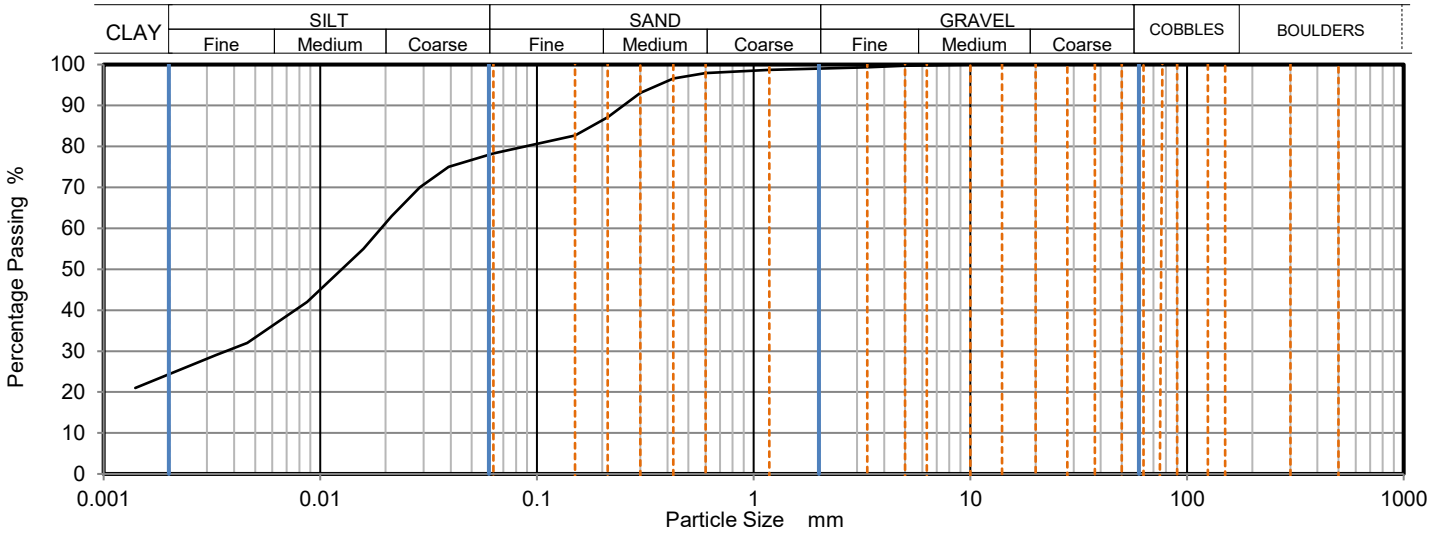
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570773	Depth Top [m]:	0.60
Hole No.:	TP13	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0391	75
300	100	0.0288	70
150	100	0.0213	63
125	100	0.0158	55
90	100	0.0087	42
75	100	0.0046	32
63	100	0.0033	29
50	100	0.0014	21
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	99		
2	99		
1.18	99		
0.6	98	Particle density	(assumed)
0.425	97	2.65	Mg/m3
0.3	93		
0.212	87		
0.15	83		
0.063	78		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	21
Silt	54
Clay	24

Grading Analysis		
D100	mm	10
D60	mm	0.0192
D30	mm	0.00356
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

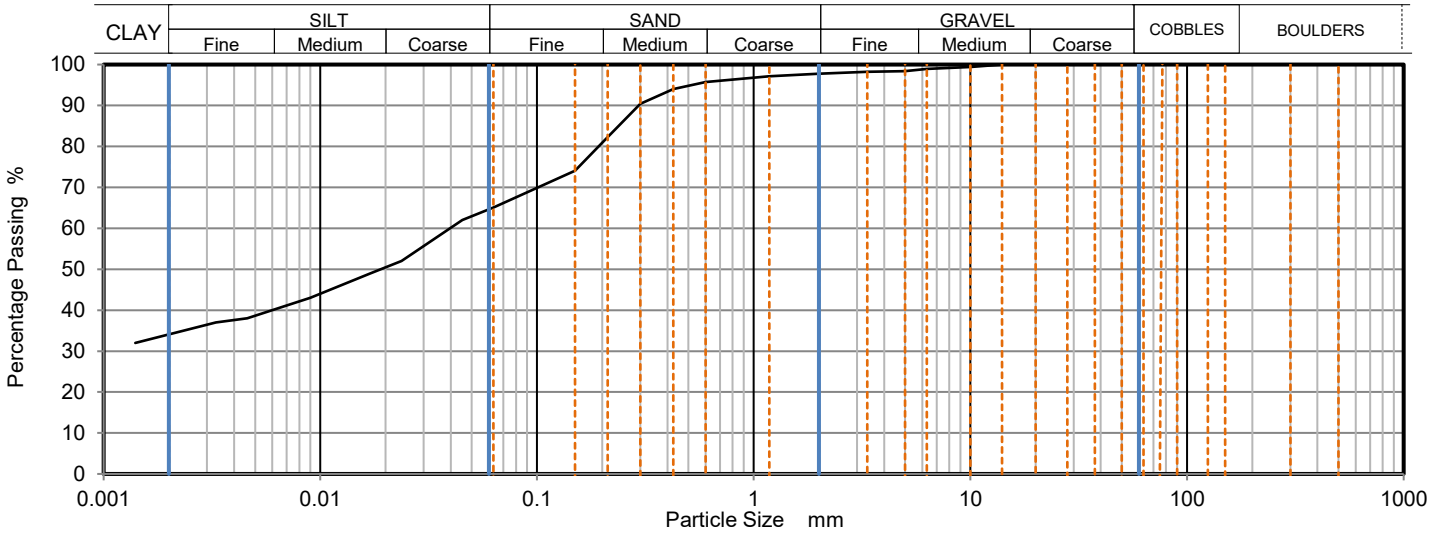
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570774	Depth Top [m]:	0.70
Hole No.:	TP14	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark grey slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0453	62
300	100	0.0328	57
150	100	0.0237	52
125	100	0.0170	49
90	100	0.0090	43
75	100	0.0046	38
63	100	0.0033	37
50	100	0.0014	32
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	99		
5	98		
3.35	98		
2	98		
1.18	97		
0.6	96	Particle density	(assumed)
0.425	94	2.65	Mg/m3
0.3	90		
0.212	82		
0.15	74		
0.063	65		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	33
Silt	31
Clay	34

Grading Analysis		
D100	mm	14
D60	mm	0.0398
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

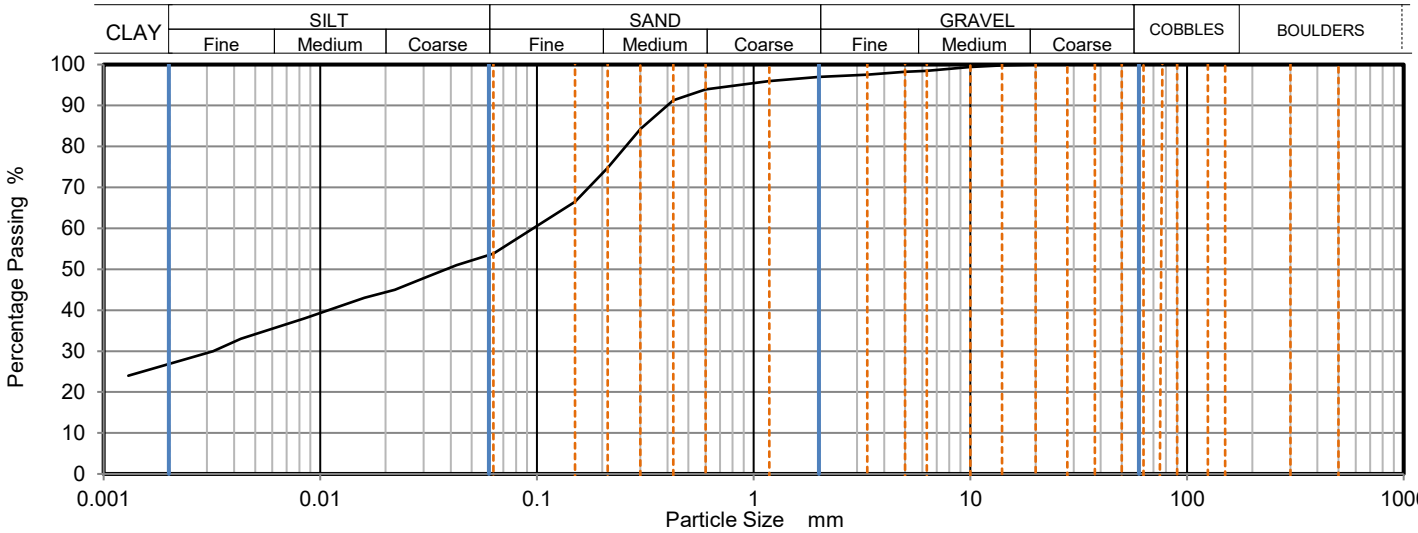
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570776	Depth Top [m]:	1.00
Hole No.:	TP15	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.9 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0426	51
300	100	0.0307	48
150	100	0.0221	45
125	100	0.0160	43
90	100	0.0085	38
75	100	0.0043	33
63	100	0.0032	30
50	100	0.0013	24
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	99		
5	98		
3.35	98		
2	97		
1.18	96		
0.6	94	Particle density	(assumed)
0.425	91	2.65	Mg/m3
0.3	84		
0.212	75		
0.15	67		
0.063	54		

Sample Proportions	% dry mass
Very coarse	0
Gravel	3
Sand	43
Silt	27
Clay	27

Grading Analysis		
D100	mm	20
D60	mm	0.0964
D30	mm	0.0033
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

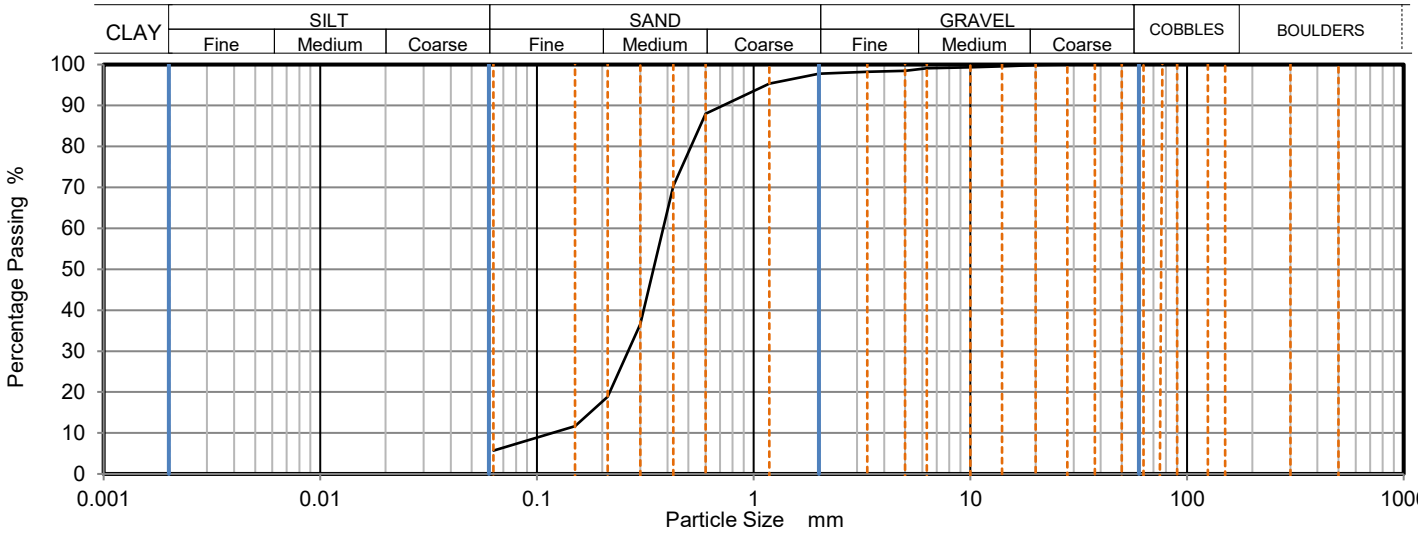
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570777	Depth Top [m]:	1.00
Hole No.:	TP19	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was whole tested, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	99		
5	99		
3.35	98		
2	98		
1.18	95		
0.6	88		
0.425	70		
0.3	37		
0.212	19		
0.15	12		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	92
Fines <0.063 mm	6

Grading Analysis		
D100	mm	28
D60	mm	0.382
D30	mm	0.264
D10	mm	0.117
Uniformity Coefficient		3.3
Curvature Coefficient		1.6

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

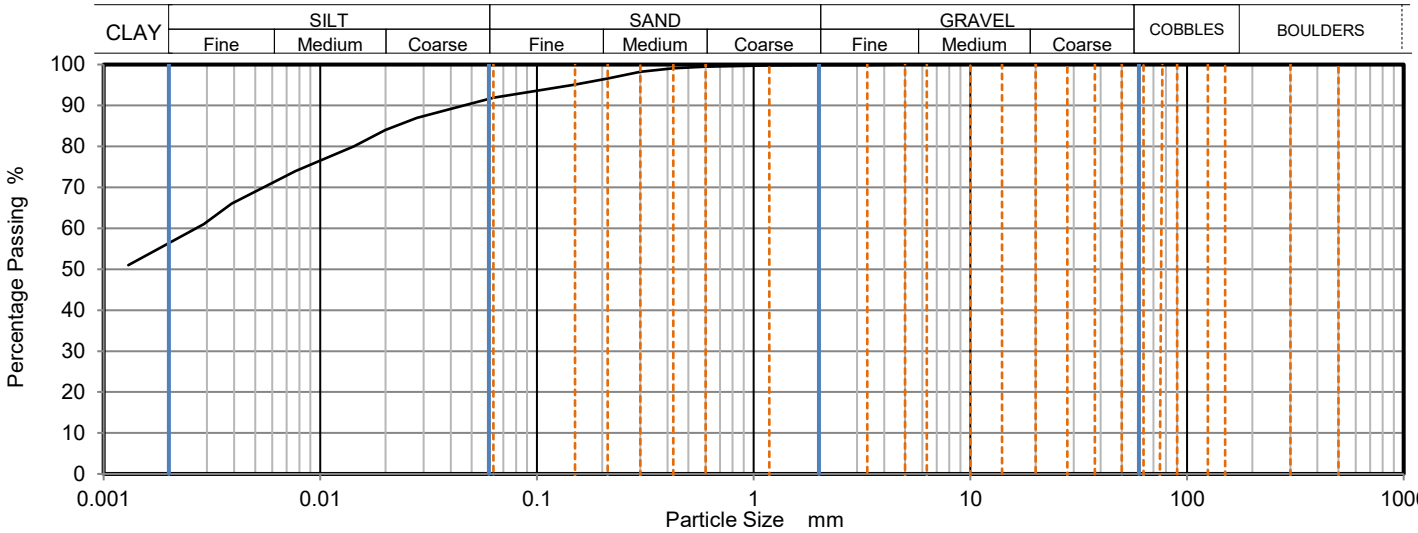
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570778	Depth Top [m]:	0.50
Hole No.:	TP26	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0390	89
300	100	0.0279	87
150	100	0.0199	84
125	100	0.0143	80
90	100	0.0077	74
75	100	0.0039	66
63	100	0.0029	61
50	100	0.0013	51
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100	Particle density	(assumed)
0.425	99	2.65	Mg/m3
0.3	98		
0.212	97		
0.15	95		
0.063	92		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	8
Silt	36
Clay	56

Grading Analysis		
D100	mm	5
D60	mm	0.00274
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

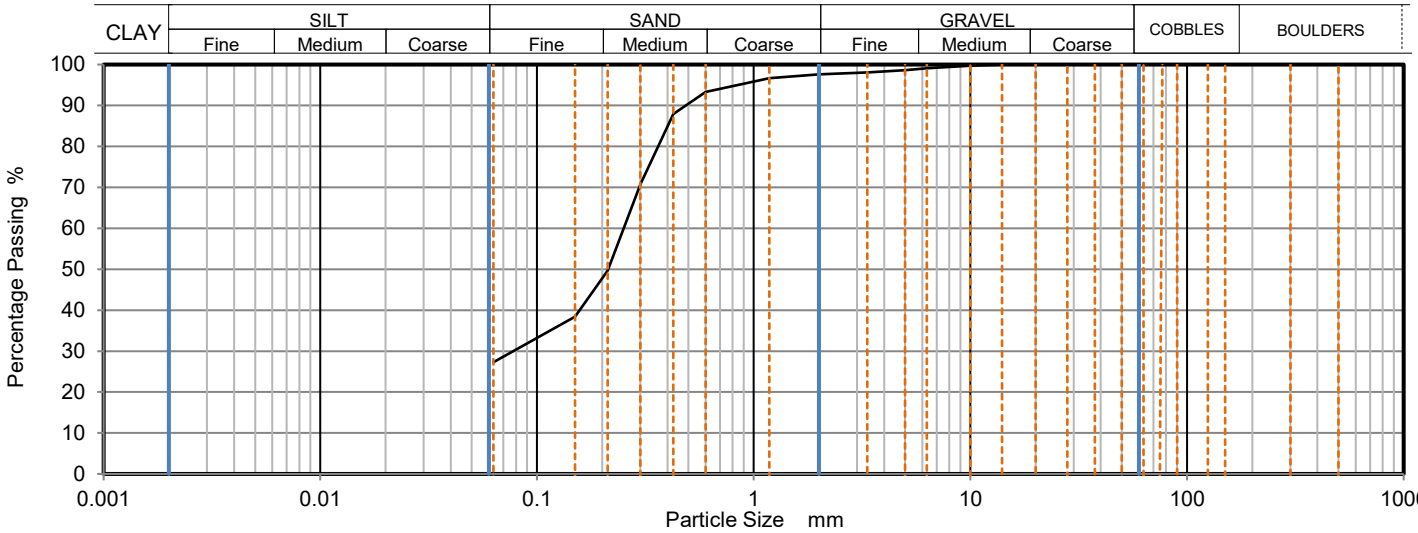
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570779	Depth Top [m]:	1.20
Hole No.:	TP26	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly very clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	99		
3.35	98		
2	98		
1.18	97		
0.6	93		
0.425	88		
0.3	71		
0.212	50		
0.15	38		
0.063	27		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	71
Fines <0.063 mm	27

Grading Analysis		
D100	mm	14
D60	mm	0.251
D30	mm	0.0777
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

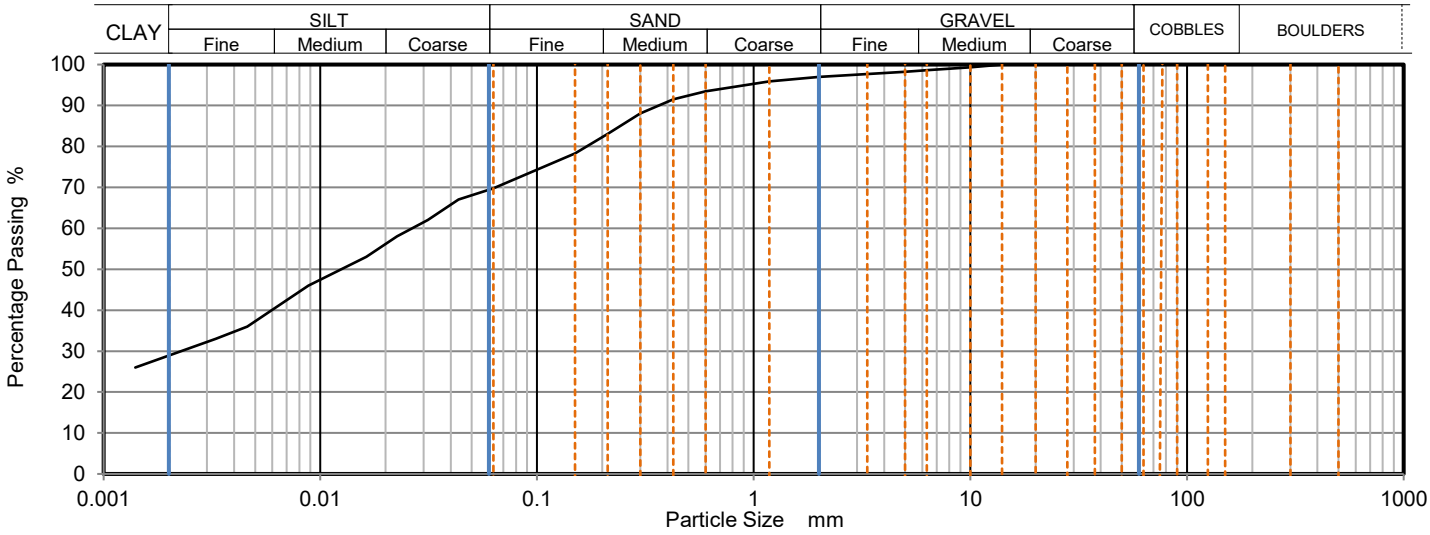
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570780	Depth Top [m]:	0.50
Hole No.:	TP24	Depth Base [m]:	0.60
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0434	67
300	100	0.0313	62
150	100	0.0226	58
125	100	0.0163	53
90	100	0.0088	46
75	100	0.0046	36
63	100	0.0033	33
50	100	0.0014	26
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	99		
5	98		
3.35	98		
2	97		
1.18	96		
0.6	94	Particle density	(assumed)
0.425	92	2.65	Mg/m3
0.3	88		
0.212	83		
0.15	78		
0.063	70		

Sample Proportions	% dry mass
Very coarse	0
Gravel	3
Sand	27
Silt	41
Clay	29

Grading Analysis		
D100	mm	14
D60	mm	0.0267
D30	mm	0.00225
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

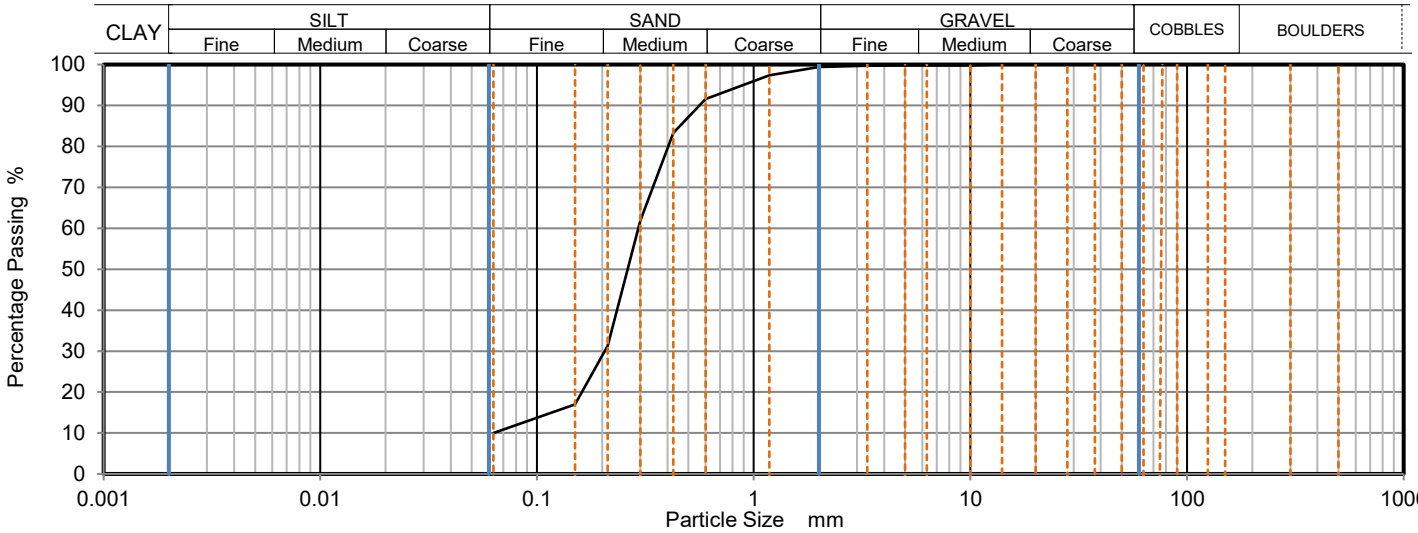
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570781	Depth Top [m]:	0.80
Hole No.:	TP27	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	99		
1.18	97		
0.6	92		
0.425	83		
0.3	62		
0.212	31		
0.15	17		
0.063	10		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	89
Fines <0.063 mm	10

Grading Analysis		
D100	mm	14
D60	mm	0.294
D30	mm	0.205
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

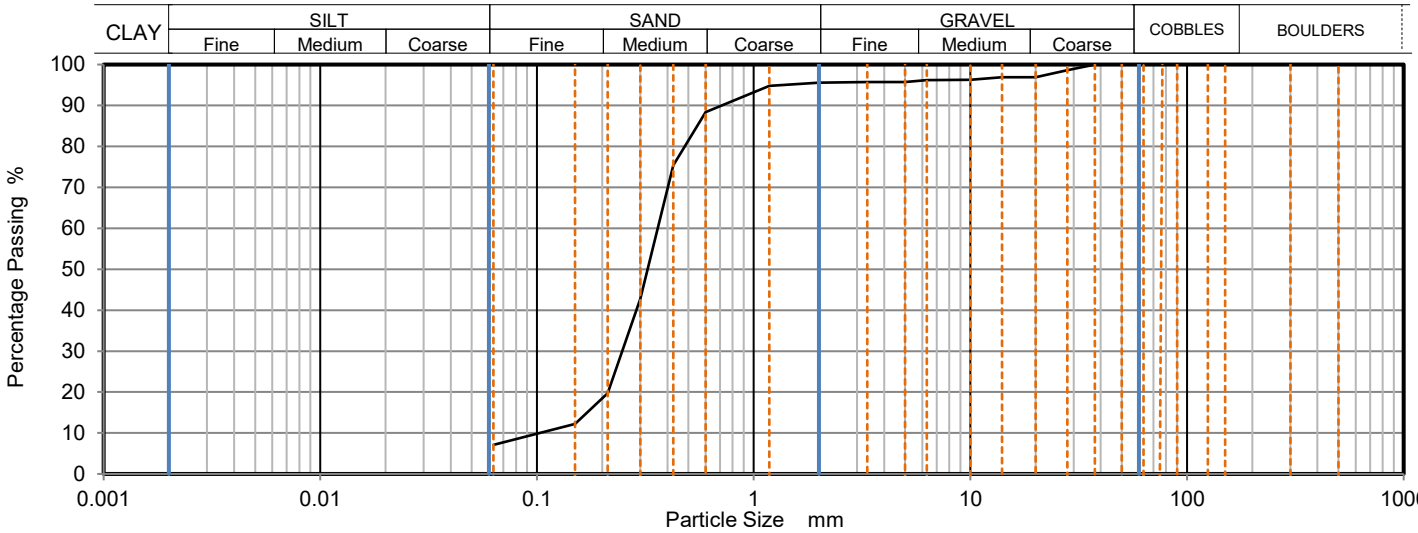
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570782	Depth Top [m]:	1.20
Hole No.:	TP25	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	99		
20	97		
14	97		
10	96		
6.3	96		
5	96		
3.35	96		
2	96		
1.18	95		
0.6	88		
0.425	75		
0.3	43		
0.212	20		
0.15	12		
0.063	7		

Sample Proportions	% dry mass
Very coarse	0
Gravel	4
Sand	89
Fines <0.063 mm	7

Grading Analysis		
D100	mm	37.5
D60	mm	0.361
D30	mm	0.248
D10	mm	0.104
Uniformity Coefficient		3.5
Curvature Coefficient		1.6

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

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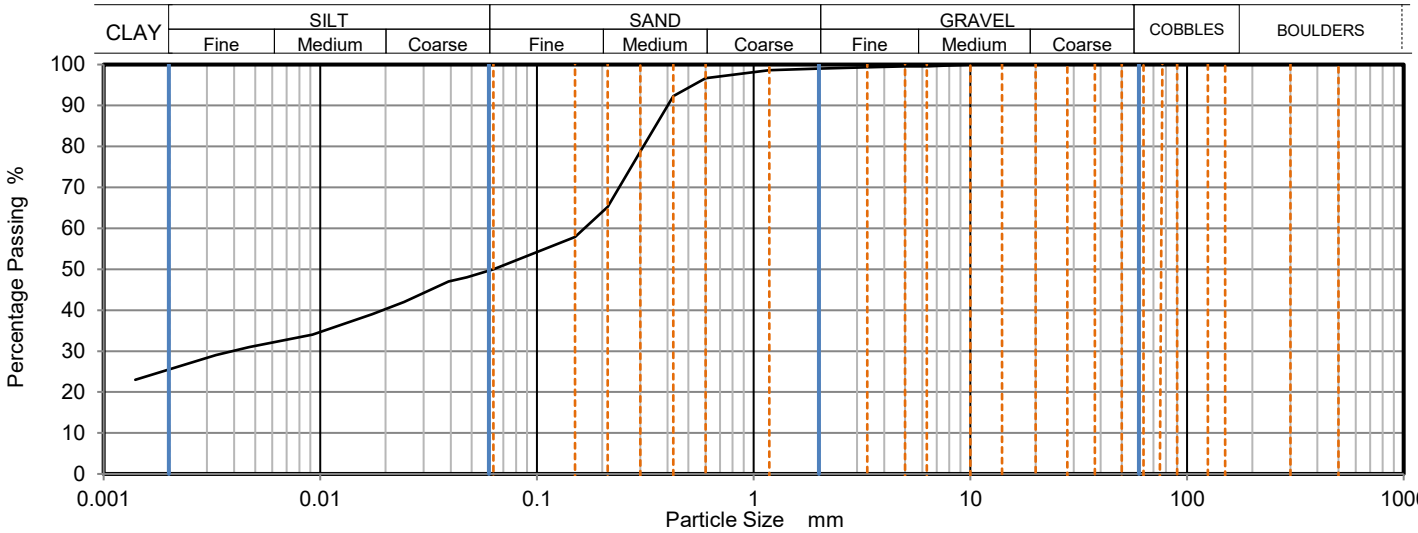
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570783	Depth Top [m]:	0.50
Hole No.:	TP20	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0475	48
300	100	0.0391	47
150	100	0.0244	42
125	100	0.0174	39
90	100	0.0092	34
75	100	0.0047	31
63	100	0.0033	29
50	100	0.0014	23
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	99		
2	99		
1.18	99		
0.6	97	Particle density	(measured)
0.425	92	2.72	Mg/m3
0.3	79		
0.212	65		
0.15	58		
0.063	50		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	49
Silt	25
Clay	25

Grading Analysis		
D100	mm	10
D60	mm	0.166
D30	mm	0.00408
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

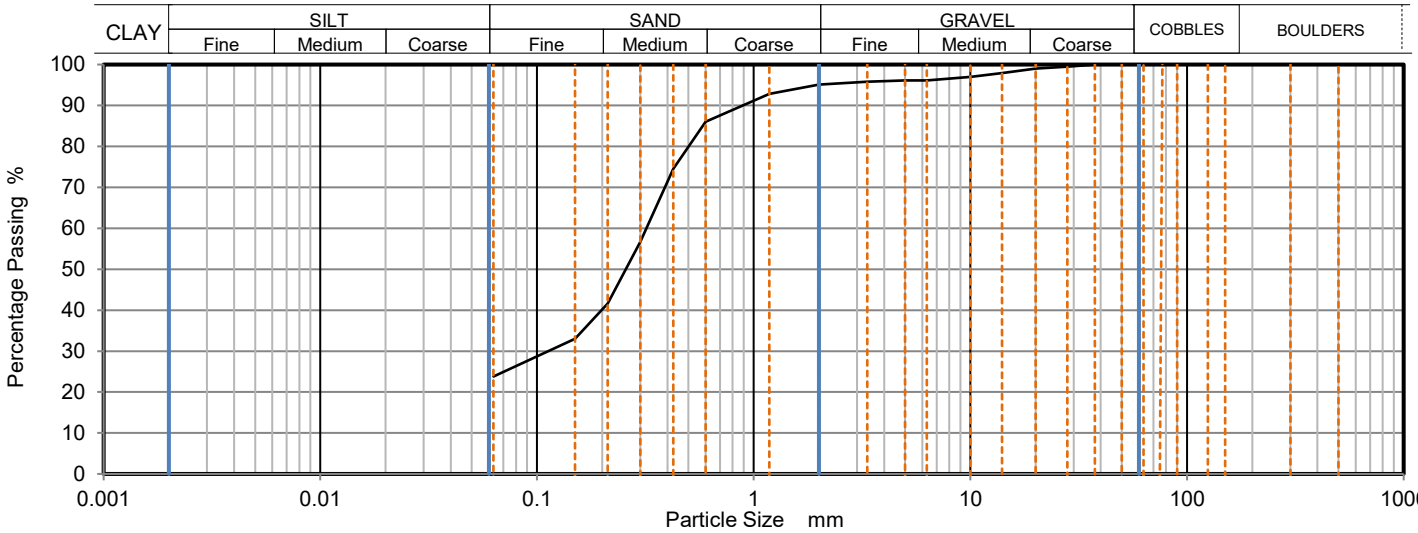
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570785	Depth Top [m]:	2.60
Hole No.:	TP20	Depth Base [m]:	2.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown gravelly very clayey SAND		
Sample Preparation:	Sample was whole tested, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	99		
14	98		
10	97		
6.3	96		
5	96		
3.35	96		
2	95		
1.18	93		
0.6	86		
0.425	75		
0.3	57		
0.212	42		
0.15	33		
0.063	24		

Sample Proportions	% dry mass
Very coarse	0
Gravel	5
Sand	71
Fines <0.063 mm	24

Grading Analysis		
D100	mm	37.5
D60	mm	0.32
D30	mm	0.113
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

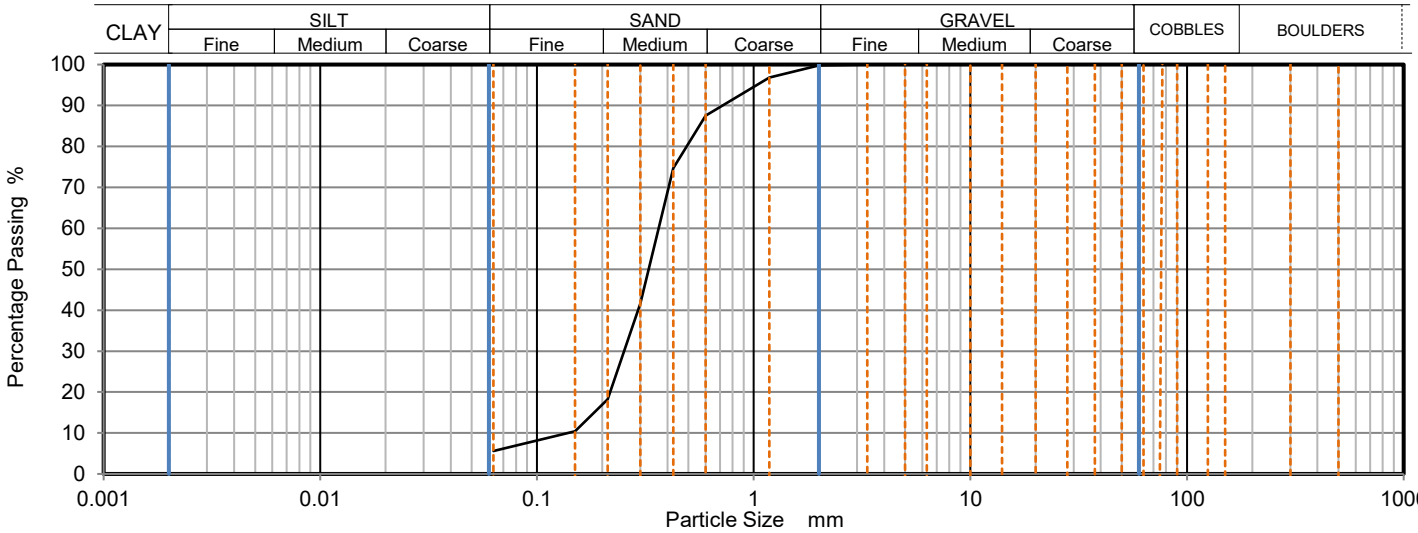
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570786	Depth Top [m]:	0.70
Hole No.:	TP16	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	97		
0.6	88		
0.425	75		
0.3	42		
0.212	18		
0.15	10		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	94
Fines <0.063 mm	6

Grading Analysis		
D100	mm	3.35
D60	mm	0.364
D30	mm	0.252
D10	mm	0.14
Uniformity Coefficient		2.6
Curvature Coefficient		1.3

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

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Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

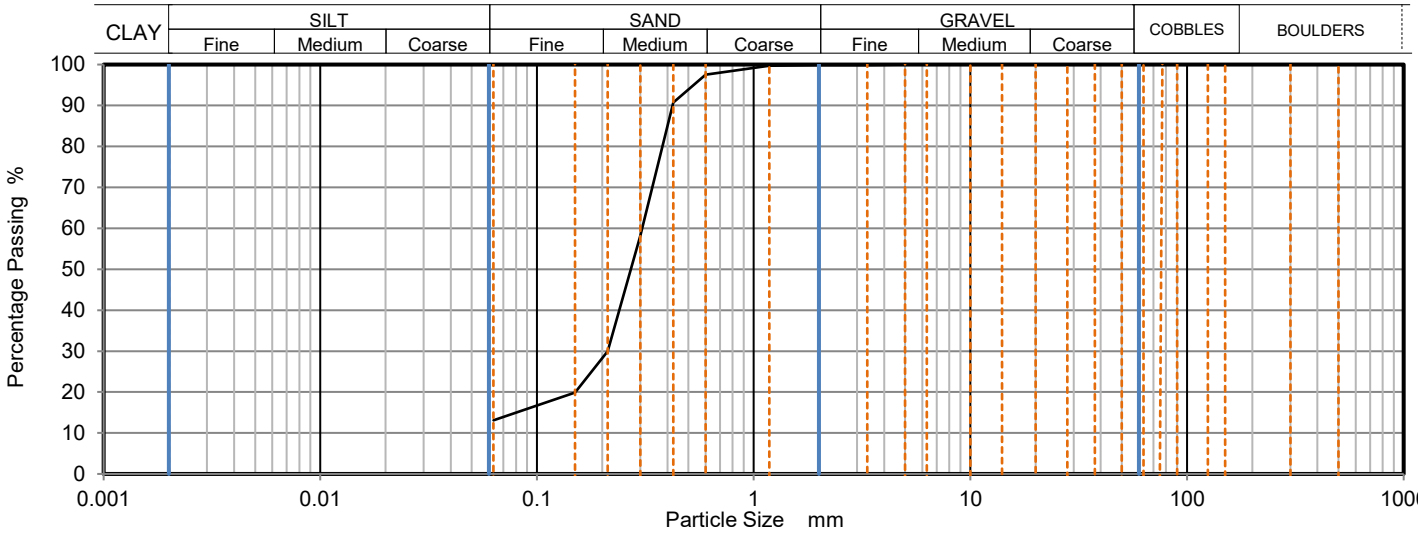
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570788	Depth Top [m]:	0.50
Hole No.:	TP22	Depth Base [m]:	0.60
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	98		
0.425	91		
0.3	58		
0.212	30		
0.15	20		
0.063	13		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	87
Fines <0.063 mm	13

Grading Analysis		
D100	mm	5
D60	mm	0.306
D30	mm	0.212
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

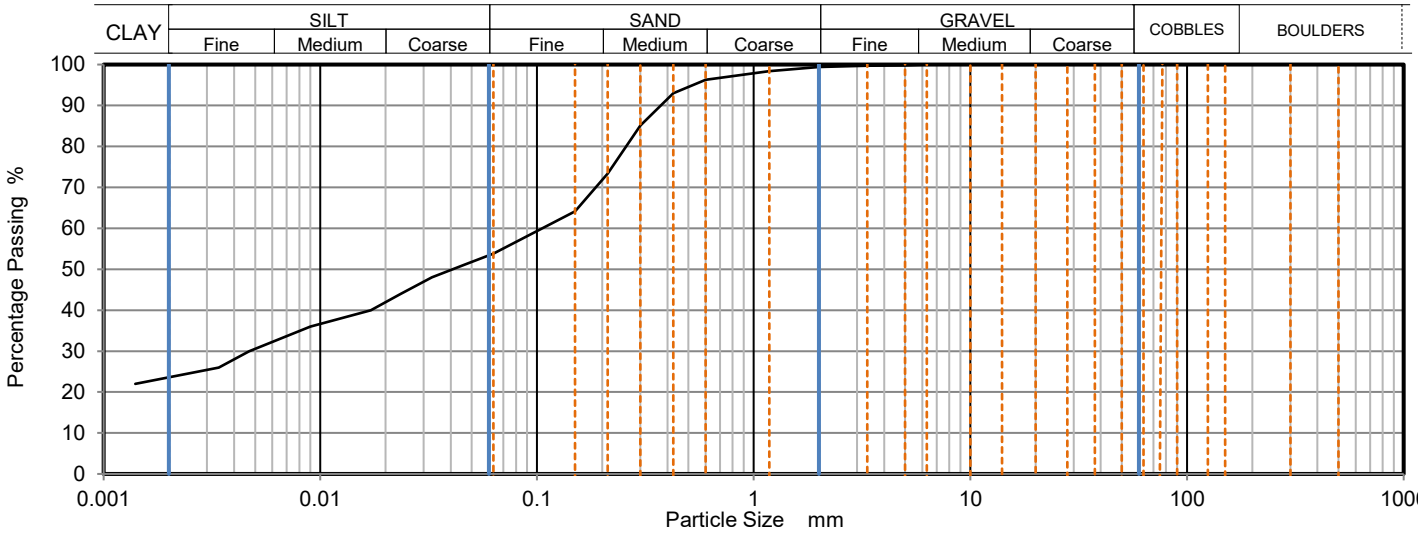
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570789	Depth Top [m]:	0.70
Hole No.:	TP08	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.9 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0457	51
300	100	0.0328	48
150	100	0.0235	44
125	100	0.0171	40
90	100	0.0090	36
75	100	0.0047	30
63	100	0.0034	26
50	100	0.0014	22
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	99		
1.18	98		
0.6	96	Particle density	(assumed)
0.425	93	2.65	Mg/m3
0.3	85		
0.212	73		
0.15	64		
0.063	54		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	45
Silt	31
Clay	23

Grading Analysis		
D100	mm	6.3
D60	mm	0.107
D30	mm	0.00489
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

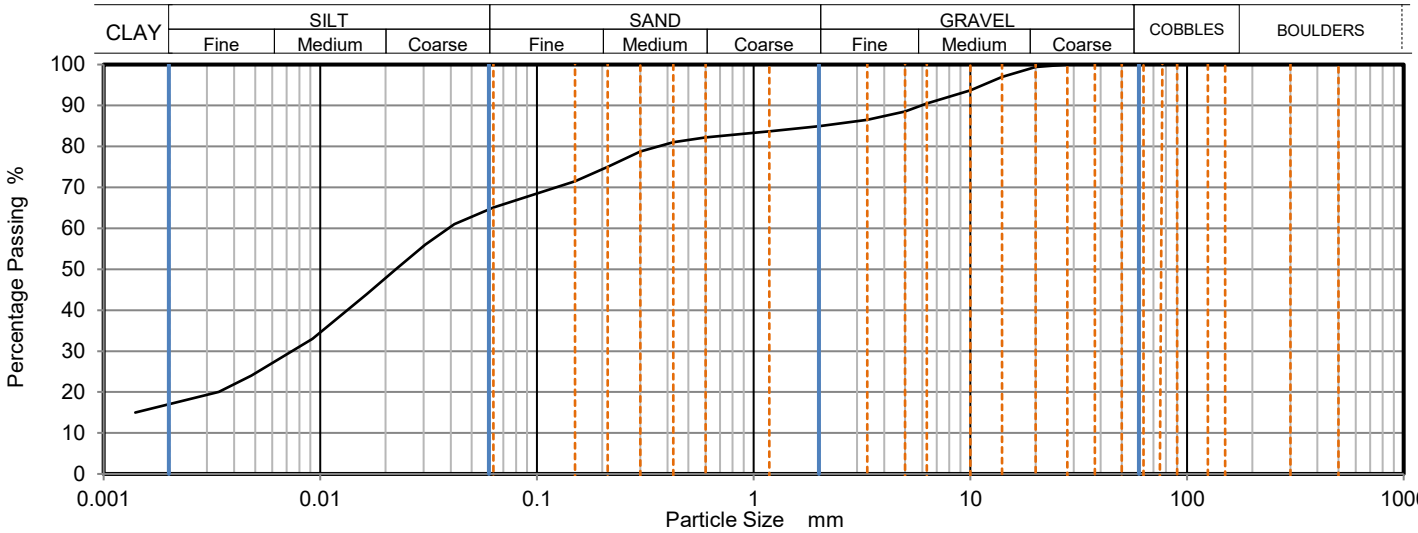
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570795	Depth Top [m]:	0.60
Hole No.:	TP02	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0415	61
300	100	0.0305	56
150	100	0.0223	50
125	100	0.0164	44
90	100	0.0092	33
75	100	0.0048	24
63	100	0.0034	20
50	100	0.0014	15
37.5	100		
28	100		
20	99		
14	97		
10	94		
6.3	91		
5	89		
3.35	87		
2	85		
1.18	84		
0.6	82	Particle density	(assumed)
0.425	81	2.65	Mg/m3
0.3	79		
0.212	75		
0.15	72		
0.063	65		

Sample Proportions	% dry mass
Very coarse	0
Gravel	15
Sand	20
Silt	48
Clay	17

Grading Analysis		
D100	mm	28
D60	mm	0.0382
D30	mm	0.00761
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

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i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

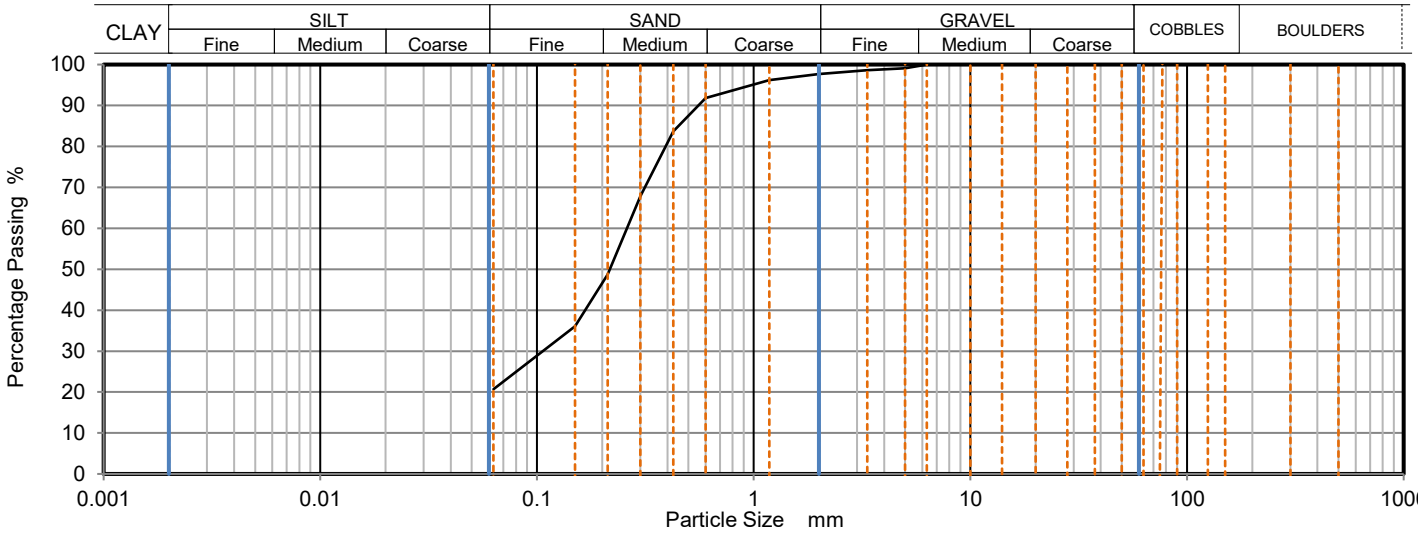
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	17/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570796	Depth Top [m]:	1.90
Hole No.:	TP02	Depth Base [m]:	2.00
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very clayey SAND		
Sample Preparation:	Sample was quartered oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	99		
3.35	99		
2	98		
1.18	96		
0.6	92		
0.425	84		
0.3	68		
0.212	49		
0.15	36		
0.063	21		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	77
Fines <0.063 mm	21

Grading Analysis		
D100	mm	6.3
D60	mm	0.26
D30	mm	0.106
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

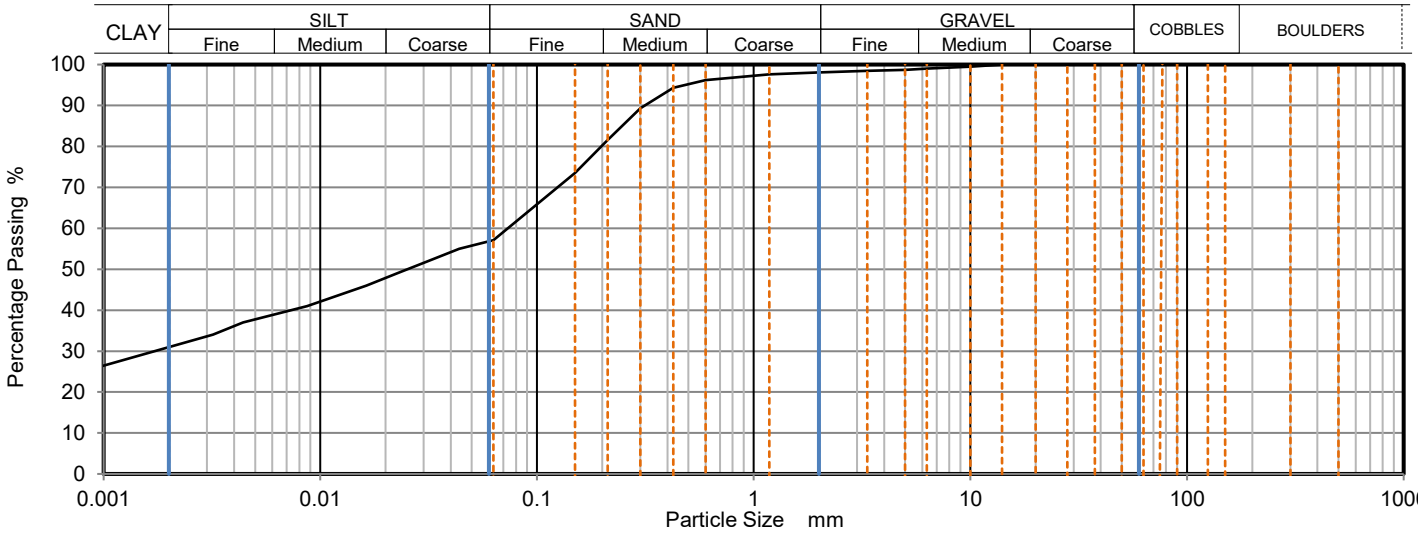
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570797	Depth Top [m]:	0.60
Hole No.:	TP03	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.9 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0438	55
300	100	0.0315	52
150	100	0.0225	49
125	100	0.0163	46
90	100	0.0087	41
75	100	0.0044	37
63	100	0.0032	34
50	100	0.0008	25
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	99		
3.35	99		
2	98		
1.18	98		
0.6	96	Particle density	(assumed)
0.425	94	2.65	Mg/m3
0.3	89		
0.212	82		
0.15	74		
0.063	57		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	41
Silt	26
Clay	31

Grading Analysis		
D100	mm	14
D60	mm	0.0736
D30	mm	0.00165
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

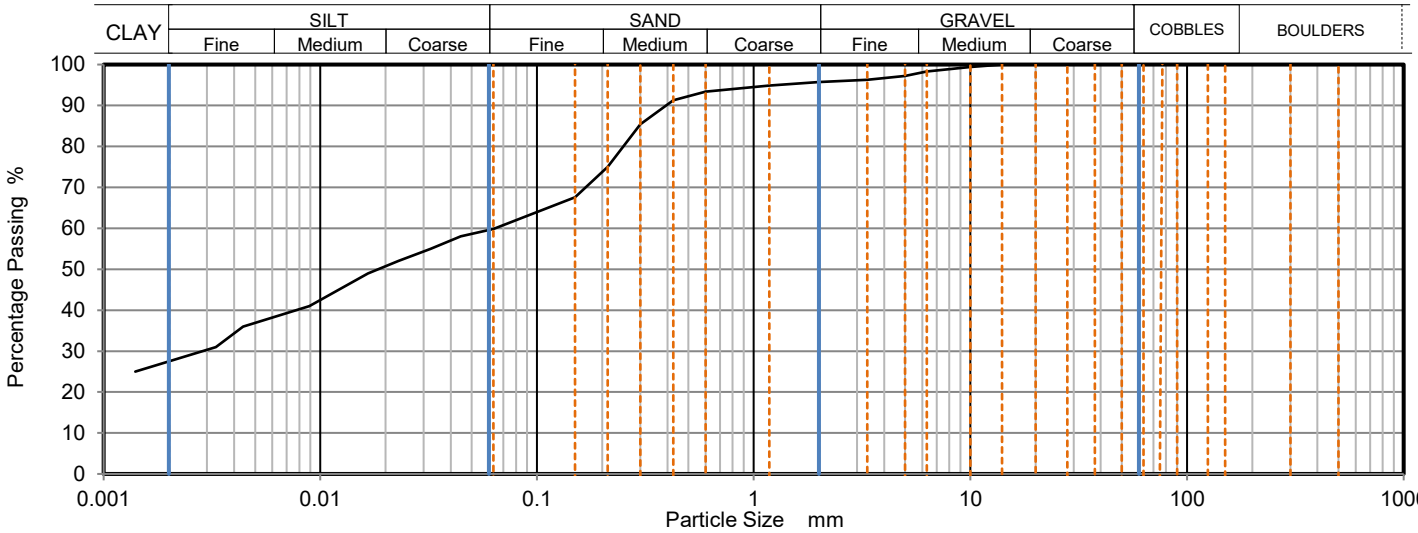
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570800	Depth Top [m]:	1.00
Hole No.:	TP72	Depth Base [m]:	1.20
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0445	58
300	100	0.0323	55
150	100	0.0229	52
125	100	0.0166	49
90	100	0.0089	41
75	100	0.0044	36
63	100	0.0033	31
50	100	0.0014	25
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	98		
5	97		
3.35	96		
2	96		
1.18	95		
0.6	93	Particle density	(assumed)
0.425	91	2.65	Mg/m3
0.3	85		
0.212	75		
0.15	68		
0.063	60		

Sample Proportions	% dry mass
Very coarse	0
Gravel	4
Sand	36
Silt	32
Clay	28

Grading Analysis		
D100	mm	14
D60	mm	0.0644
D30	mm	0.0027
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

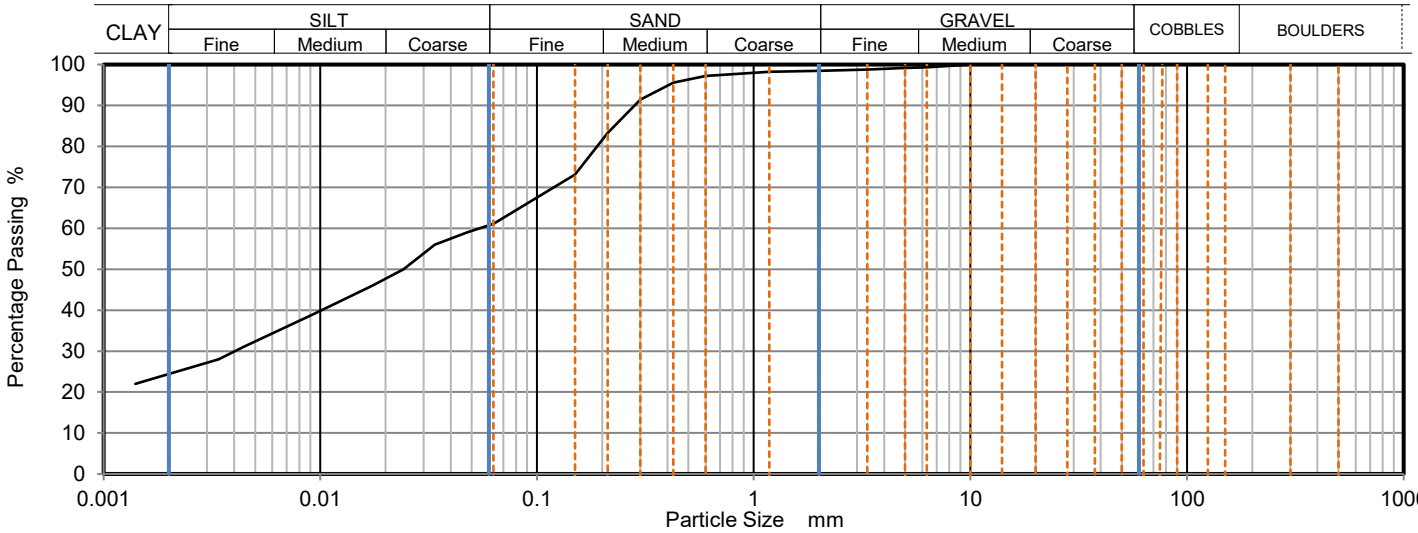
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570802	Depth Top [m]:	0.90
Hole No.:	TP04	Depth Base [m]:	1.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0474	59
300	100	0.0338	56
150	100	0.0242	50
125	100	0.0174	46
90	100	0.0093	39
75	100	0.0044	31
63	100	0.0034	28
50	100	0.0014	22
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	99		
3.35	99		
2	99		
1.18	98		
0.6	97	Particle density	(assumed)
0.425	96	2.65	Mg/m3
0.3	91		
0.212	83		
0.15	73		
0.063	61		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	38
Silt	37
Clay	24

Grading Analysis		
D100	mm	10
D60	mm	0.0532
D30	mm	0.00397
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

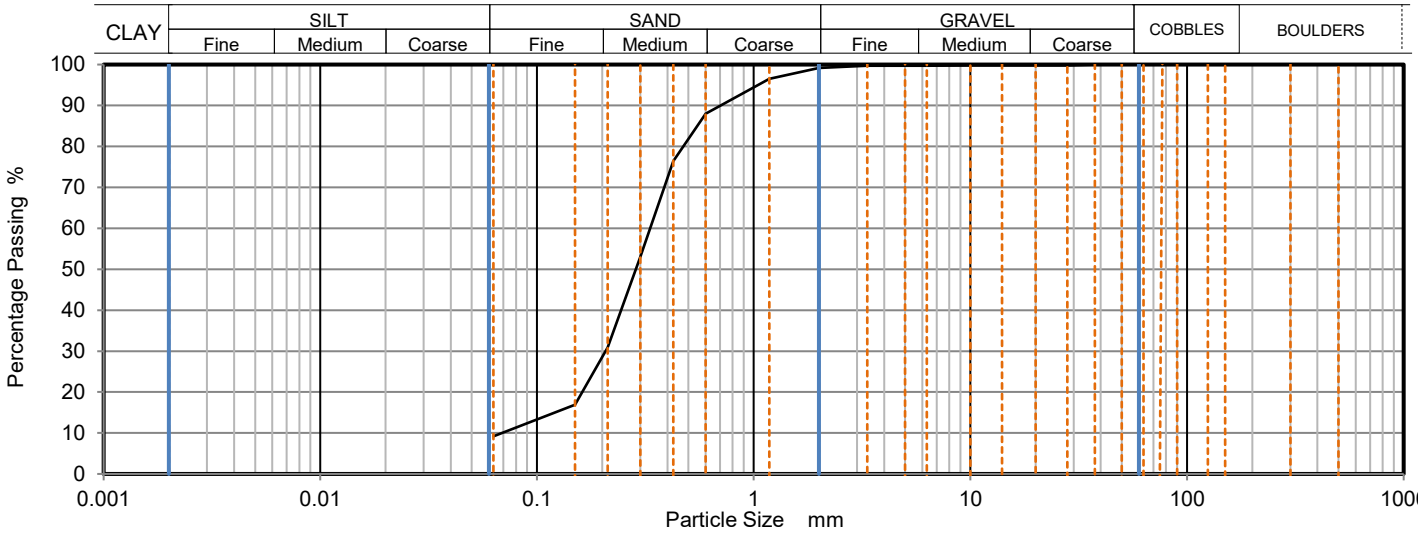
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	01/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570806	Depth Top [m]:	2.00
Hole No.:	TP32	Depth Base [m]:	2.20
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	99		
1.18	97		
0.6	88		
0.425	76		
0.3	53		
0.212	31		
0.15	17		
0.063	9		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	90
Fines <0.063 mm	9

Grading Analysis		
D100	mm	37.5
D60	mm	0.333
D30	mm	0.207
D10	mm	0.0692
Uniformity Coefficient		4.8
Curvature Coefficient		1.9

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

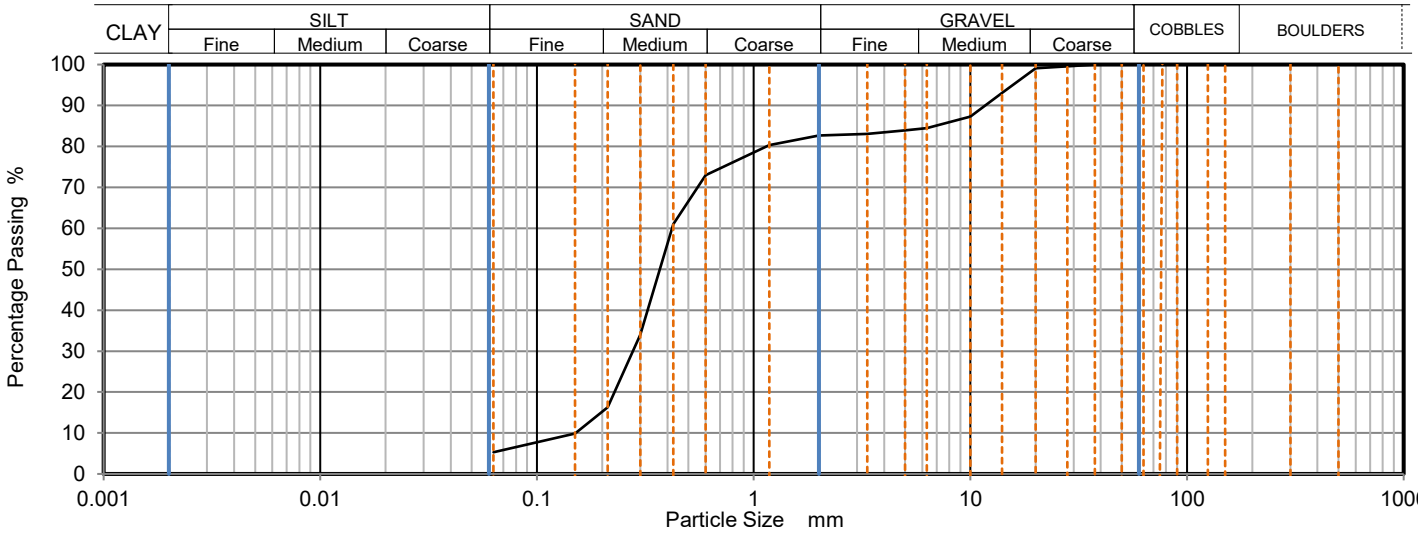
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	02/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570808	Depth Top [m]:	1.60
Hole No.:	TP39	Depth Base [m]:	1.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown gravelly clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	99		
14	93		
10	87		
6.3	85		
5	84		
3.35	83		
2	83		
1.18	80		
0.6	73		
0.425	61		
0.3	34		
0.212	16		
0.15	10		
0.063	5		

Sample Proportions	% dry mass
Very coarse	0
Gravel	17
Sand	78
Fines <0.063 mm	5

Grading Analysis		
D100	mm	37.5
D60	mm	0.419
D30	mm	0.277
D10	mm	0.151
Uniformity Coefficient		2.8
Curvature Coefficient		1.2

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

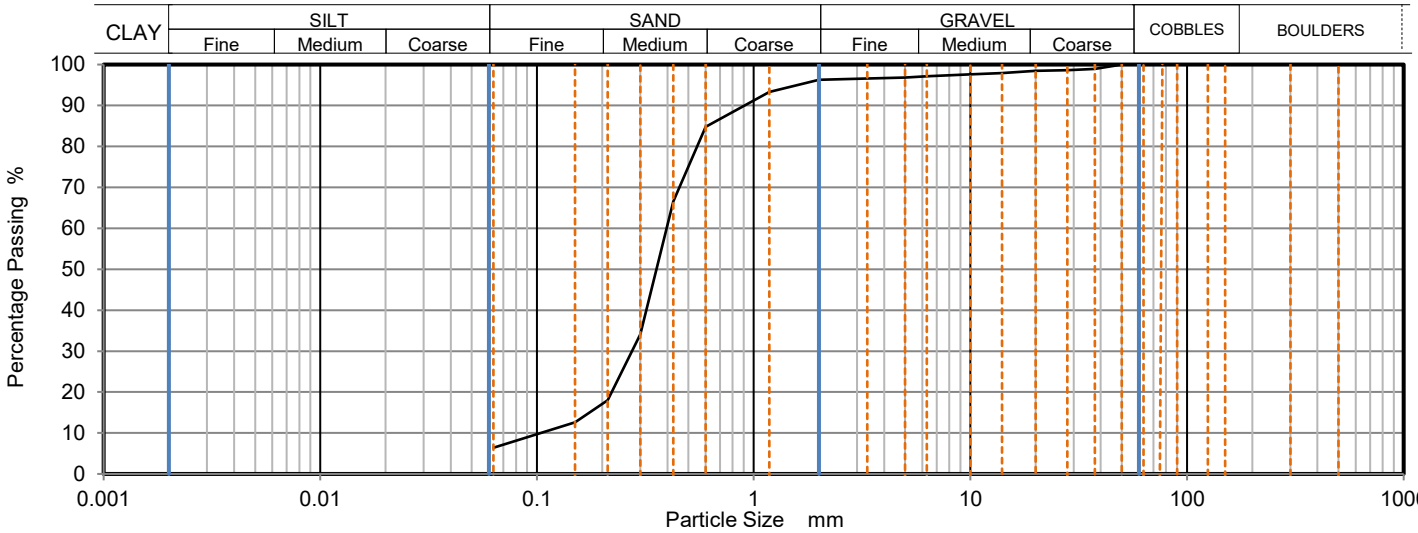
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	02/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570809	Depth Top [m]:	0.50
Hole No.:	TP37	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	99		
28	99		
20	99		
14	98		
10	98		
6.3	97		
5	97		
3.35	97		
2	96		
1.18	93		
0.6	85		
0.425	67		
0.3	34		
0.212	18		
0.15	13		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0
Gravel	4
Sand	90
Fines <0.063 mm	6

Grading Analysis		
D100	mm	50
D60	mm	0.396
D30	mm	0.274
D10	mm	0.104
Uniformity Coefficient		3.8
Curvature Coefficient		1.8

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

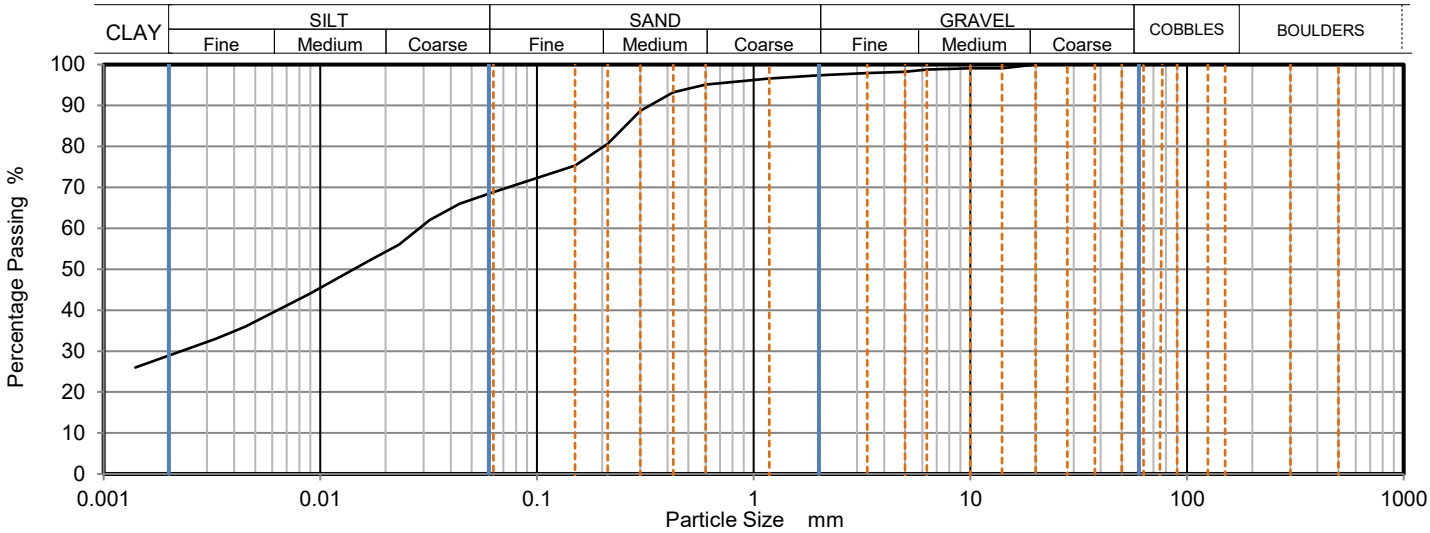
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	02/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570813	Depth Top [m]:	0.40
Hole No.:	TP35	Depth Base [m]:	0.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0441	66
300	100	0.0320	62
150	100	0.0231	56
125	100	0.0167	52
90	100	0.0089	44
75	100	0.0045	36
63	100	0.0033	33
50	100	0.0014	26
37.5	100		
28	100		
20	100		
14	99		
10	99		
6.3	99		
5	98		
3.35	98		
2	97		
1.18	97		
0.6	95	Particle density	(assumed)
0.425	93	2.65	Mg/m3
0.3	89		
0.212	81		
0.15	75		
0.063	69		

Sample Proportions	% dry mass
Very coarse	0
Gravel	3
Sand	29
Silt	39
Clay	29

Grading Analysis		
D100	mm	20
D60	mm	0.0286
D30	mm	0.0023
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

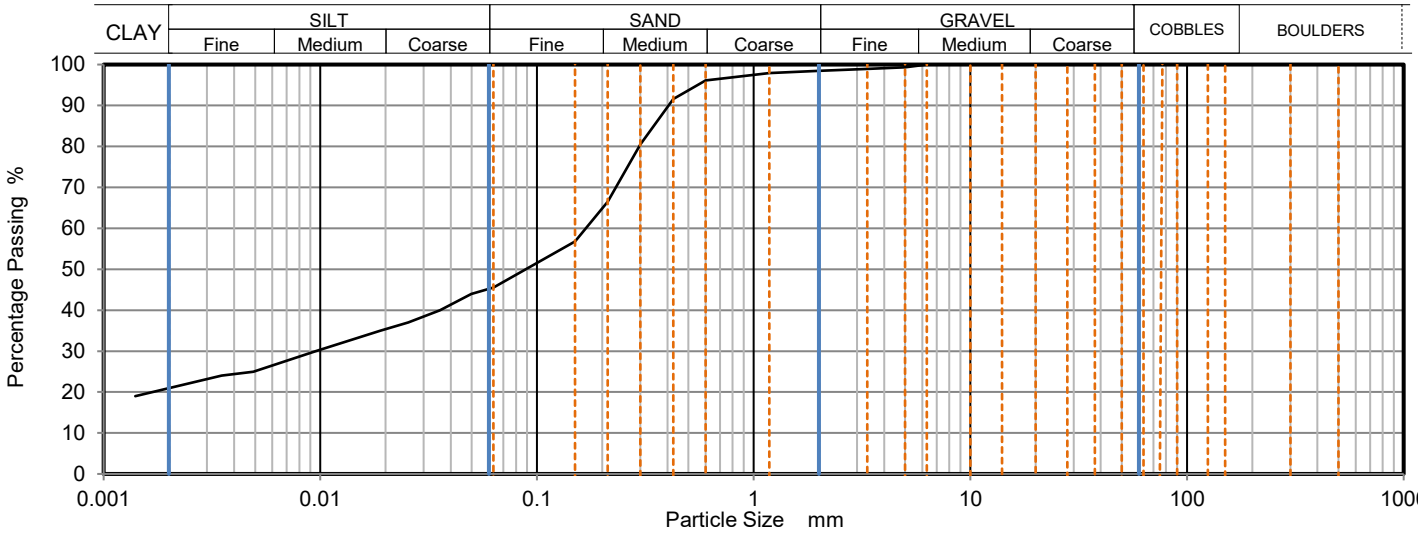
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572842	Depth Top [m]:	0.50
Hole No.:	TP71 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.3 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0497	44
300	100	0.0356	40
150	100	0.0255	37
125	100	0.0189	35
90	100	0.0095	30
75	100	0.0049	25
63	100	0.0035	24
50	100	0.0014	19
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	99		
3.35	99		
2	99		
1.18	98		
0.6	96	Particle density	(measured)
0.425	92	2.66	Mg/m3
0.3	81		
0.212	67		
0.15	57		
0.063	46		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	52
Silt	25
Clay	21

Grading Analysis		
D100	mm	6.3
D60	mm	0.168
D30	mm	0.0091
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

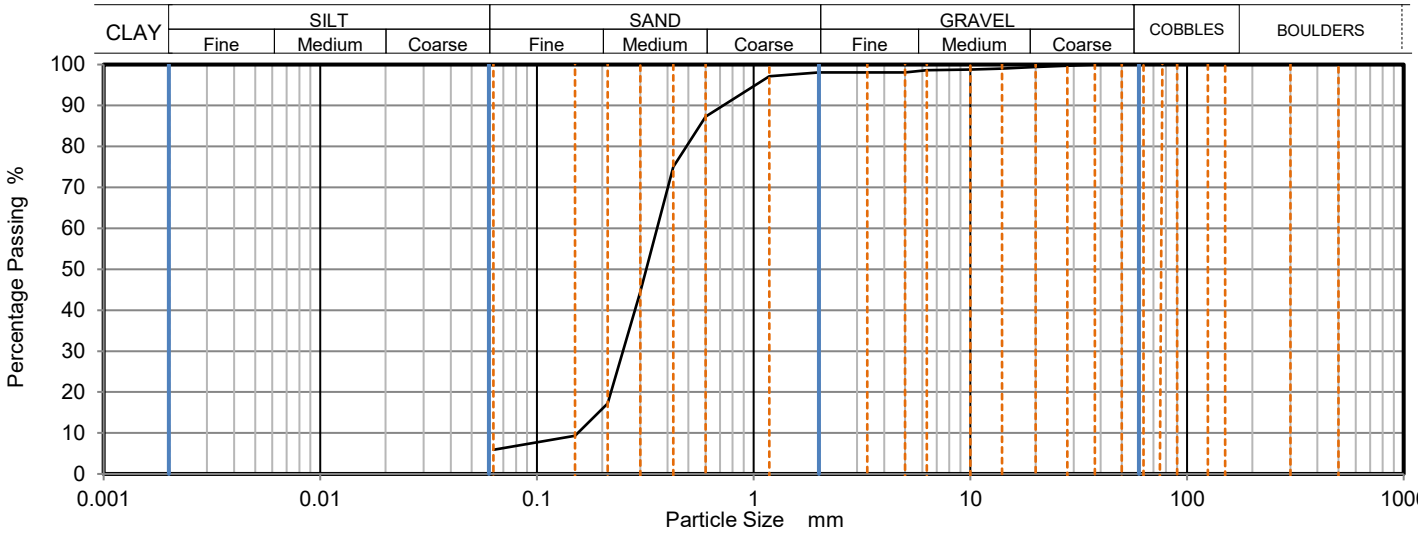
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	19/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572850	Depth Top [m]:	2.00
Hole No.:	TP41 2	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Orangish brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	99		
14	99		
10	99		
6.3	99		
5	98		
3.35	98		
2	98		
1.18	97		
0.6	87		
0.425	75		
0.3	45		
0.212	17		
0.15	9		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	92
Fines <0.063 mm	6

Grading Analysis		
D100	mm	37.5
D60	mm	0.358
D30	mm	0.249
D10	mm	0.155
Uniformity Coefficient		2.3
Curvature Coefficient		1.1

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

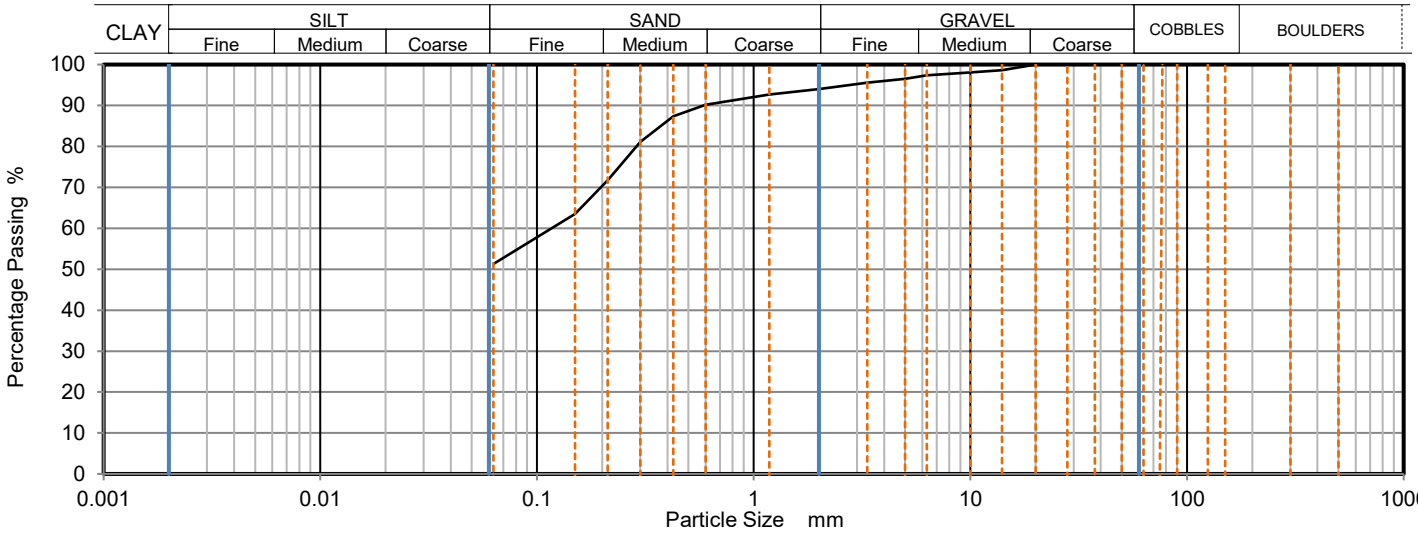
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572851	Depth Top [m]:	0.70
Hole No.:	TP40 3	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Reddish brown slightly gravelly sandy CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.9 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	99		
10	98		
6.3	97		
5	97		
3.35	96		
2	94		
1.18	93		
0.6	90		
0.425	87		
0.3	81		
0.212	72		
0.15	64		
0.063	51		

Sample Proportions	% dry mass
Very coarse	0
Gravel	6
Sand	43
Fines <0.063 mm	51

Grading Analysis		
D100	mm	20
D60	mm	0.117
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

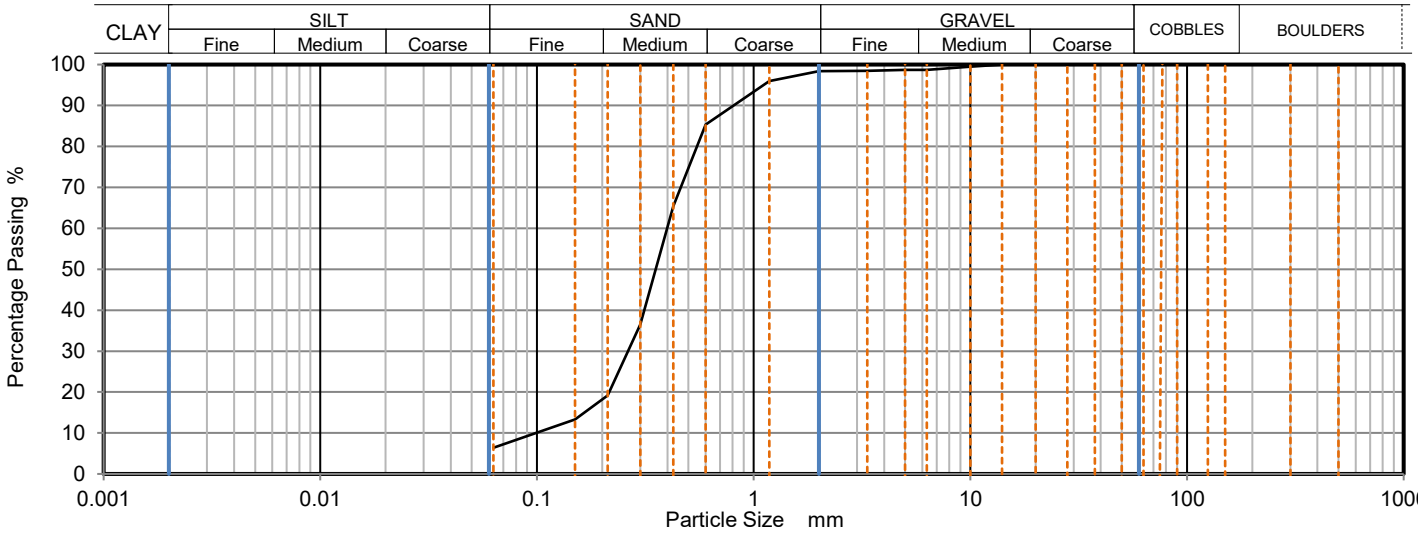
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	24/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572853	Depth Top [m]:	1.30
Hole No.:	Combine TP42@1.4+ TP40@1.3 + TP40@2.0	Depth Base [m]:	2.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.9 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	99		
3.35	99		
2	98		
1.18	96		
0.6	85		
0.425	65		
0.3	37		
0.212	19		
0.15	13		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	92
Fines <0.063 mm	6

Grading Analysis		
D100	mm	14
D60	mm	0.398
D30	mm	0.263
D10	mm	0.0989
Uniformity Coefficient		4
Curvature Coefficient		1.8

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

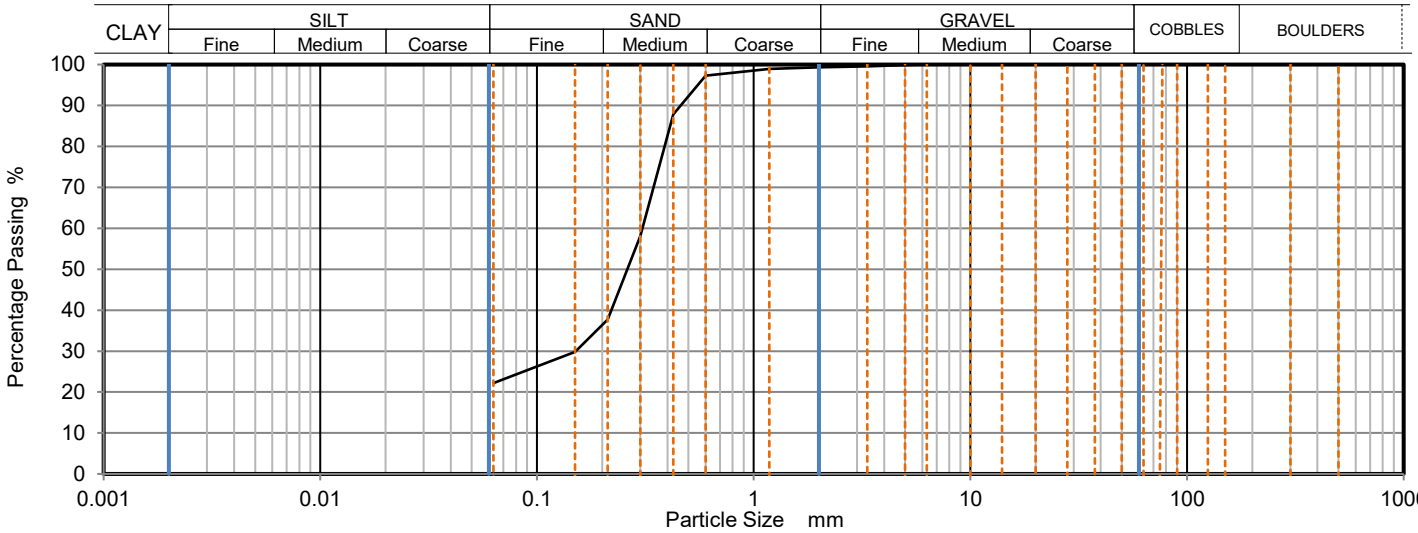
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	20/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572854	Depth Top [m]:	0.45
Hole No.:	TP45 2	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown very clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.1 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	99		
1.18	99		
0.6	97		
0.425	88		
0.3	58		
0.212	38		
0.15	30		
0.063	22		

Sample Proportions	% dry mass
Very coarse	0
Gravel	1
Sand	77
Fines <0.063 mm	22

Grading Analysis		
D100	mm	6.3
D60	mm	0.307
D30	mm	0.151
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

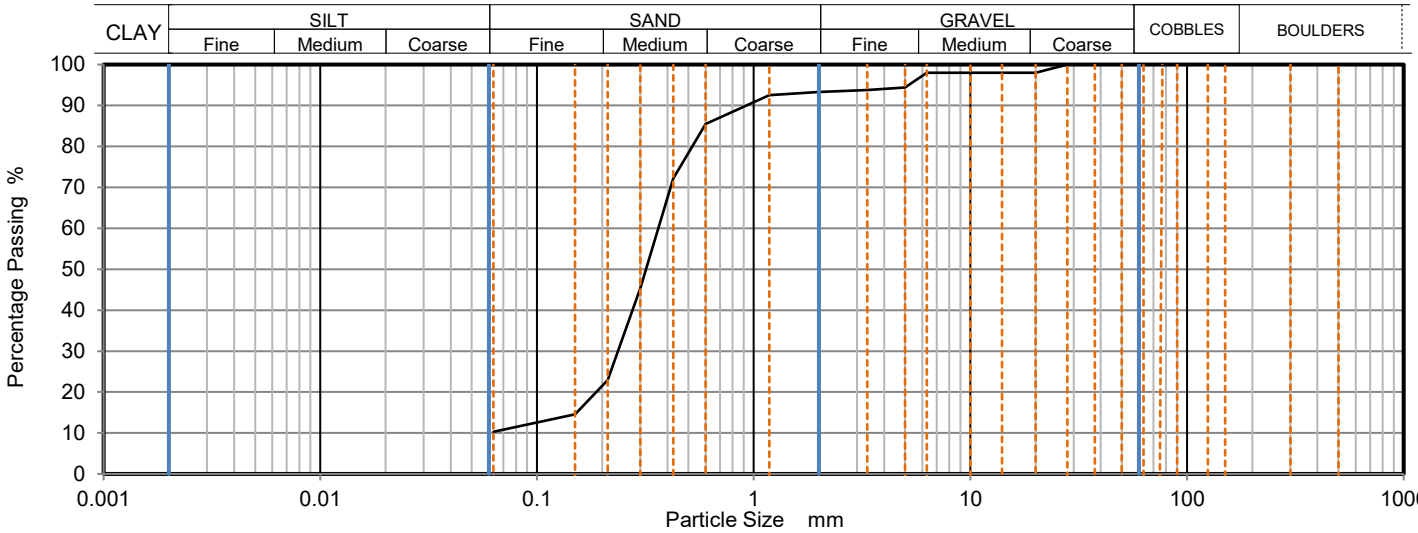
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	18/06/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572855	Depth Top [m]:	2.10
Hole No.:	TP45 4	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown gravelly clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.5 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	98		
14	98		
10	98		
6.3	98		
5	94		
3.35	94		
2	93		
1.18	93		
0.6	86		
0.425	72		
0.3	45		
0.212	23		
0.15	15		
0.063	10		

Sample Proportions	% dry mass
Very coarse	0
Gravel	7
Sand	83
Fines <0.063 mm	10

Grading Analysis		
D100	mm	28
D60	mm	0.363
D30	mm	0.237
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 366.12

SUMMARY REPORT

DETERMINATION OF PARTICLE DENSITY - GAS JAR METHOD

Tested in Accordance with: BS 1377-2:2022, clause 9.2

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 28/04 - 01/05/2025
Date Received: 16/05/2025
Date Tested: 17/06 - 20/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	PD	Preparation				
		Reference	Depth Top m	Depth Base m	Type			Mg/m3					
570768	TP17	Not Given	1.40	1.50	B	Brown clayey SAND		2.66	Quartered, natural condition				
570783	TP20	Not Given	0.50	0.70	B	Brown sandy silty CLAY		2.72	Quartered, natural condition				
570788	TP22	Not Given	0.50	0.60	B	Brown clayey SAND		2.66	Quartered, natural condition				
570791	TP08	Not Given	3.30	3.40	B	Dark brown gravelly CLAY		2.80	Quartered, natural condition				
570796	TP02	Not Given	1.90	2.00	D	Brown slightly gravelly very clayey SAND		2.65	Quartered, natural condition				
570799	TP03	Not Given	3.10	3.20	B	Brown slightly clayey SAND		2.69	Quartered, natural condition				
570806	TP32	Not Given	2.00	2.20	B	Orangish brown clayey SAND		2.66	Quartered, natural condition				
572838	TP48 1	Not Given	1.00	Not Given	B	Orangish brown gravelly SAND		2.45	Quartered, natural condition				
572841	TP51 4	Not Given	1.60	Not Given	B	Brown slightly sandy CLAY		2.63	Quartered, natural condition				
572842	TP71 1	Not Given	0.50	Not Given	B	Brown slightly gravelly sandy silty CLAY		2.66	Quartered, natural condition				

Note: PD - Particle Density

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 591.1

SUMMARY REPORT

DETERMINATION OF PARTICLE DENSITY - GAS JAR METHOD

Tested in Accordance with: BS 1377-2:2022, clause 9.2

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-029363-1
Date Sampled: 30/04/2025
Date Received: 16/05/2025
Date Tested: 18/06 - 24/06/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	PD	Preparation				
		Reference	Depth Top m	Depth Base m	Type			Mg/m3					
572843	TP71 3	Not Given	1.80	Not Given	B	Brown slightly gravelly SAND		2.64	Quartered, natural condition				
572846	TP46 2	Not Given	0.80	Not Given	B	Yellowish brown gravelly CLAY		2.70	Quartered, natural condition				
572853	Combine TP42@1.4+ TP40@1.3 +	Not Given	1.30	2.00	B	Brown slightly gravelly clayey SAND		2.66	Quartered, natural condition				
572855	TP45 4	Not Given	2.10	Not Given	B	Orangish brown gravelly clayey SAND		2.66	Quartered, natural condition				
572857	TP43 3	Not Given	0.90	Not Given	B	Brown SAND		2.56	Quartered, natural condition				
572859	TP44 1	Not Given	0.70	Not Given	B	Brown slightly clayey SAND		2.66	Quartered, natural condition				

Note: PD - Particle Density

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 591.1

4041

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP COMPACTION METHOD USING 2.5 KG RAMMER

Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

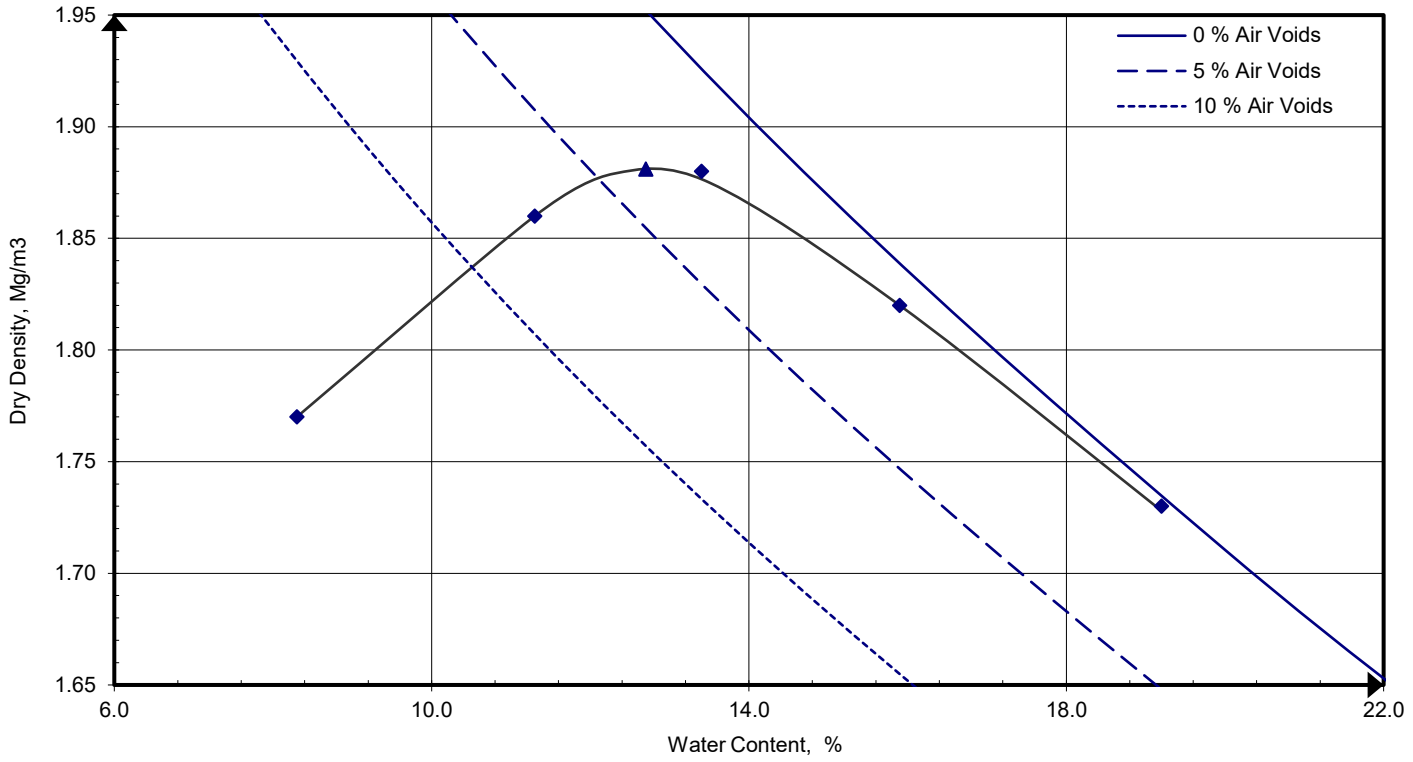
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	01/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570769	Depth Top [m]:	2.30
Hole No.:	TP10	Depth Base [m]:	2.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	8.3	11.3	13.4	15.9	19.2
Dry Density	Mg/m³	1.77	1.86	1.88	1.82	1.73

Grading zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	19.2
Maximum Dry Density	Mg/m³	**1.88**

Optimum Water Content	%	**13**

Note: BS 1377-2:2022, cl 11.3

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 599.2

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP COMPACTION METHOD USING 2.5 KG RAMMER

Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

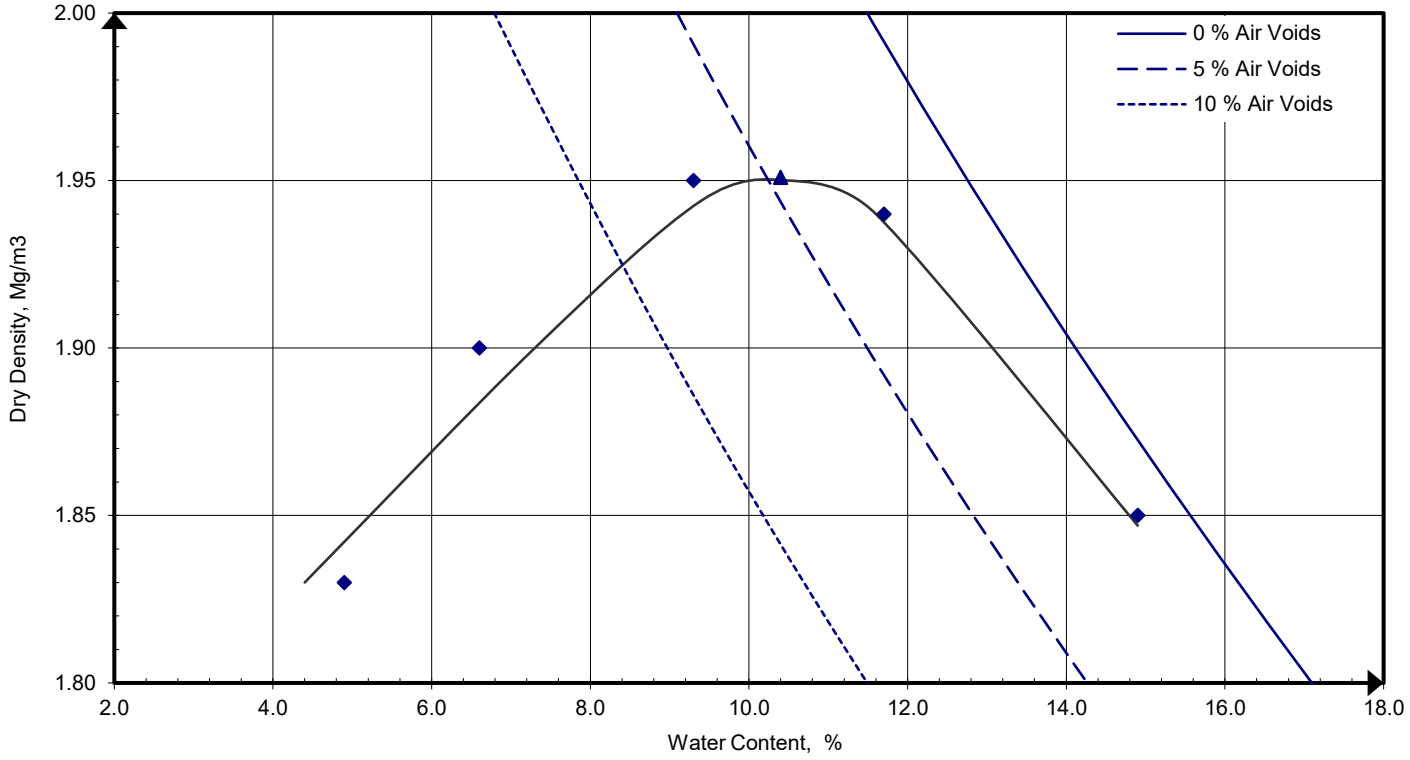
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570772	Depth Top [m]:	0.80
Hole No.:	TP11	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	4.9	6.6	9.3	11.7	14.9
Dry Density	Mg/m³	1.83	1.90	1.95	1.94	1.85

Grading zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	2
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	15.6
Maximum Dry Density	Mg/m³	**1.95**

Optimum Water Content	%	**10**

Note: BS 1377-2:2022, cl 11.3

Remarks: Test specimen used for water content determination, of each compaction point, was smaller than the recommended mass, as per BS EN ISO 17892-1: 2014+A1: 2022, Table 1

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 599.2

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP COMPACTION METHOD USING 2.5 KG RAMMER

Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

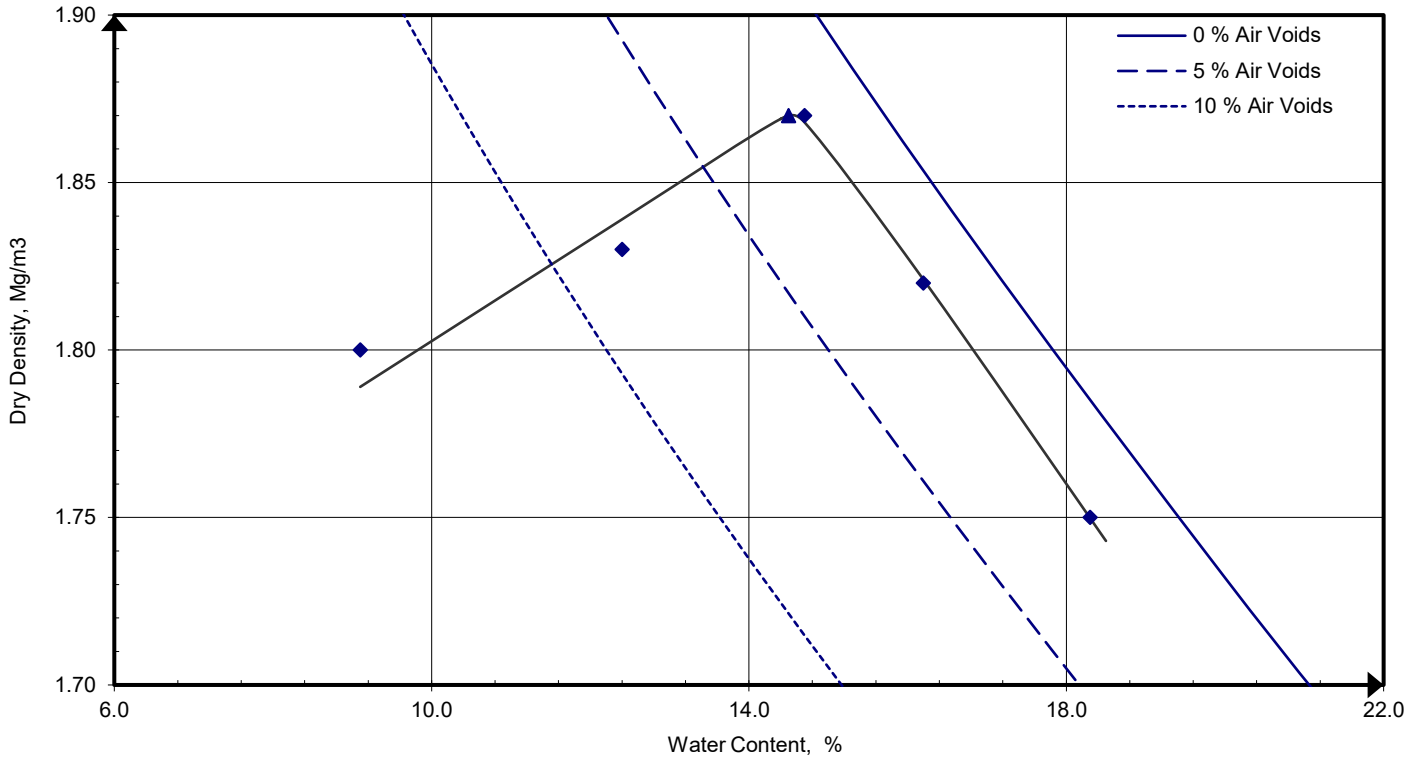
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	07/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570776	Depth Top [m]:	1.00
Hole No.:	TP15	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	9.1	12.4	14.7	16.2	18.3
Dry Density	Mg/m³	1.80	1.83	1.87	1.82	1.75

Grading zone	4
Mould Type	CBR
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	4
Material Retained on 20.0 mm Sieve	%	5
Particle Density - Assumed	Mg/m³	2.65
As received Water Content	%	17.1
Maximum Dry Density	Mg/m³	**1.87**

Optimum Water Content	%	**15**

Note: BS 1377-2:2022, CL 11.4

Remarks: Test specimen used for water content determination, of each compaction point, was smaller than the recommended mass, as per BS EN ISO 17892-1: 2014+A1: 2022, Table 1

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 599.2

4041

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP COMPACTION METHOD USING 2.5 KG RAMMER

Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

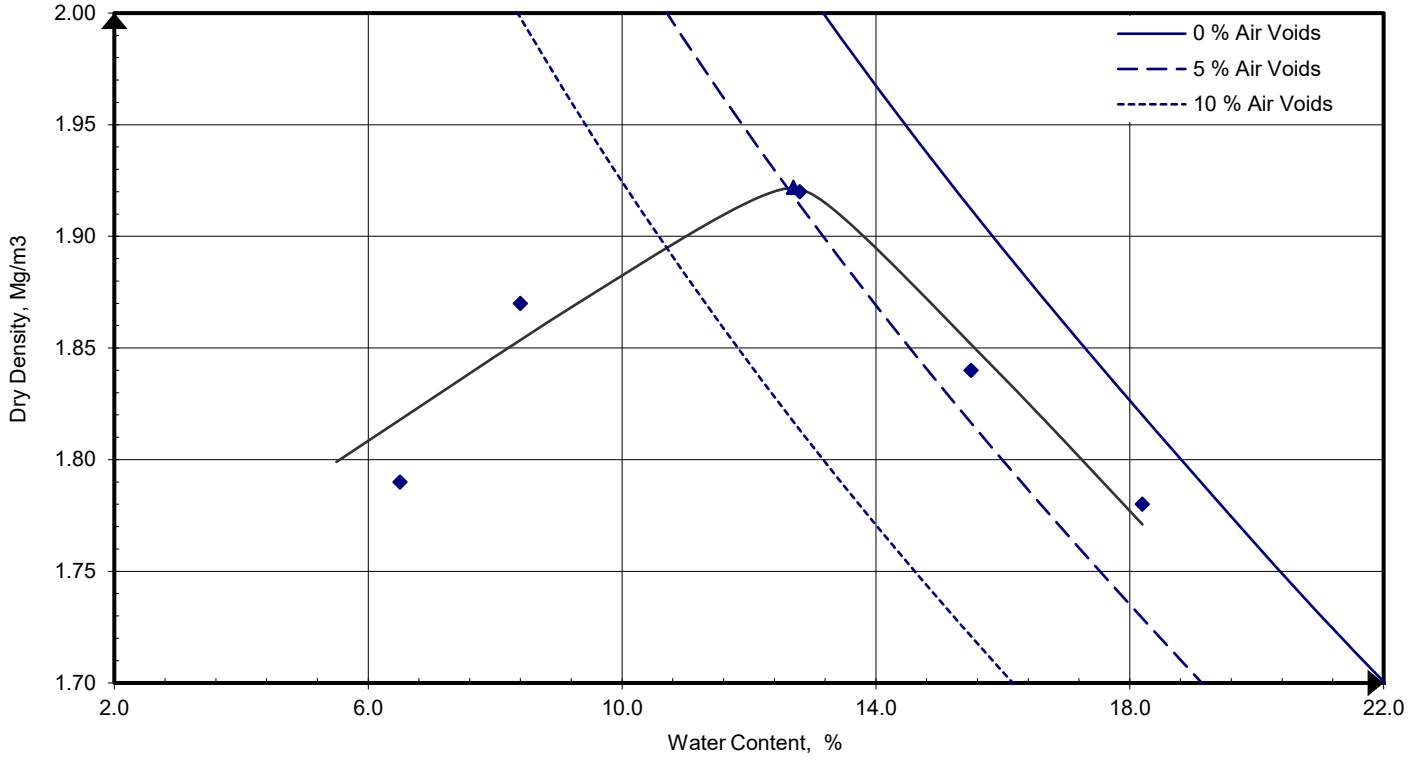
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	01/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570783	Depth Top [m]:	0.50
Hole No.:	TP20	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.5	8.4	12.8	15.5	18.2
Dry Density	Mg/m³	1.79	1.87	1.92	1.84	1.78

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.72
As received Water Content	%	17.2
Maximum Dry Density	Mg/m³	**1.92**

Optimum Water Content	%	**13**

Note: BS 1377-2:2022, cl 11.3

Remarks: Test specimen used for water content determination, of each compaction point, was smaller than the recommended mass, as per BS EN ISO 17892-1: 2014+A1: 2022, Table 1

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Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
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Brackmills Industrial Estate
Northampton NN4 7EB

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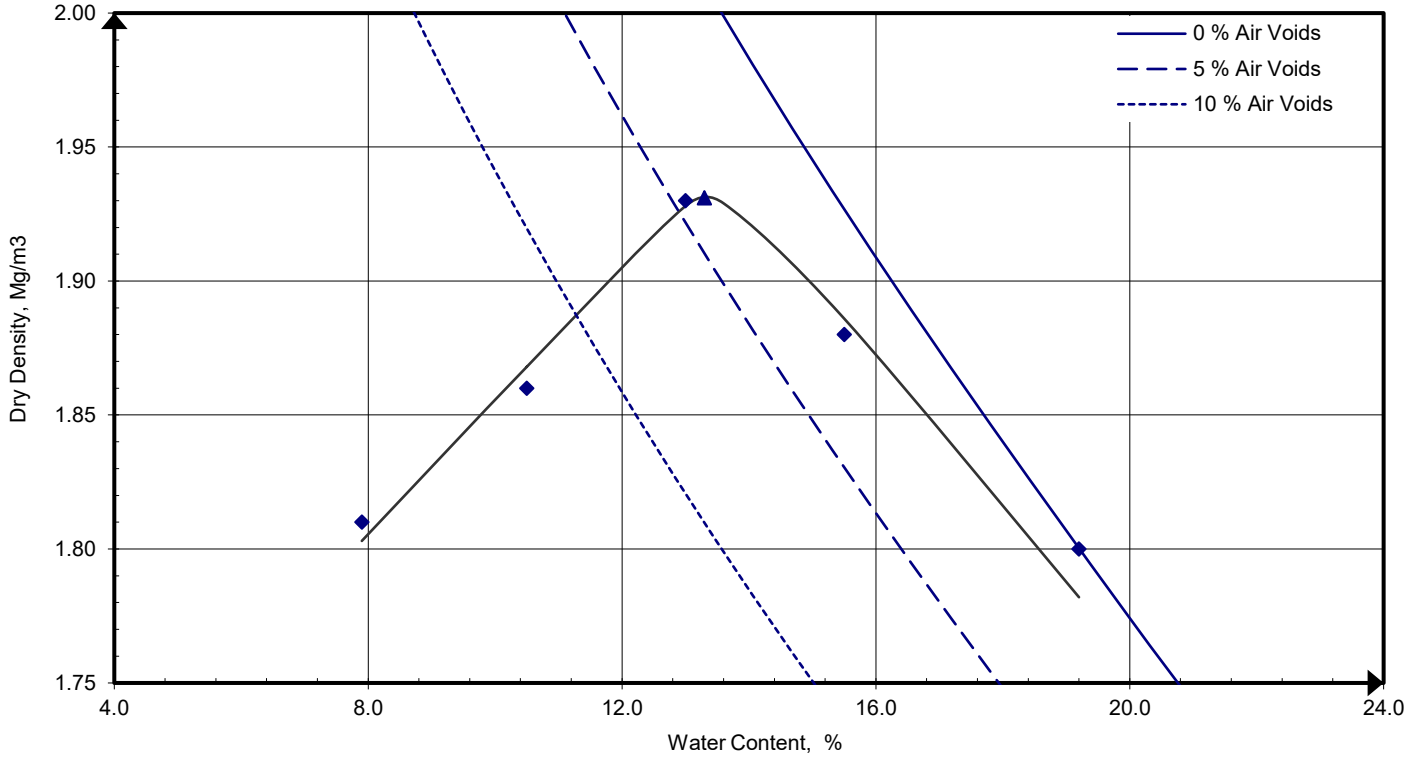
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	01/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570789	Depth Top [m]:	0.70
Hole No.:	TP08	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	7.9	10.5	13.0	15.5	19.2
Dry Density	Mg/m³	1.81	1.86	1.93	1.88	1.80

Grading zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	1
Particle Density - Assumed	Mg/m³	2.75
As received Water Content	%	15.5
Maximum Dry Density	Mg/m³	**1.93**

Optimum Water Content	%	**13**

Note: BS 1377-2:2022, cl 11.3

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Brackmills Industrial Estate
Northampton NN4 7EB

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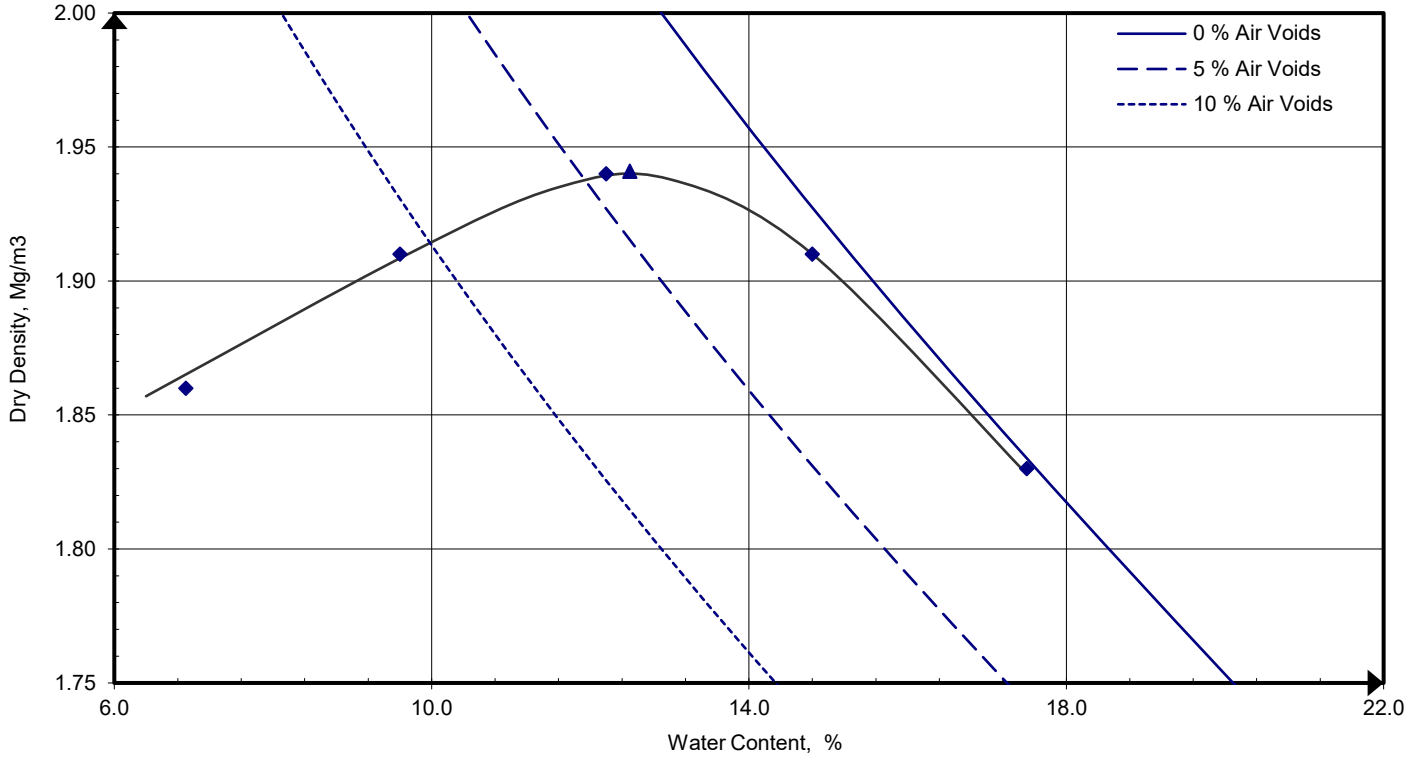
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570793	Depth Top [m]:	3.40
Hole No.:	TP05	Depth Base [m]:	3.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SILT		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.9	9.6	12.2	14.8	17.5
Dry Density	Mg/m³	1.86	1.91	1.94	1.91	1.83

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.70
As received Water Content	%	14.8
Maximum Dry Density	Mg/m³	**1.94**

Optimum Water Content	%	**13**

Note: BS 1377-2:2022, cl 11.3

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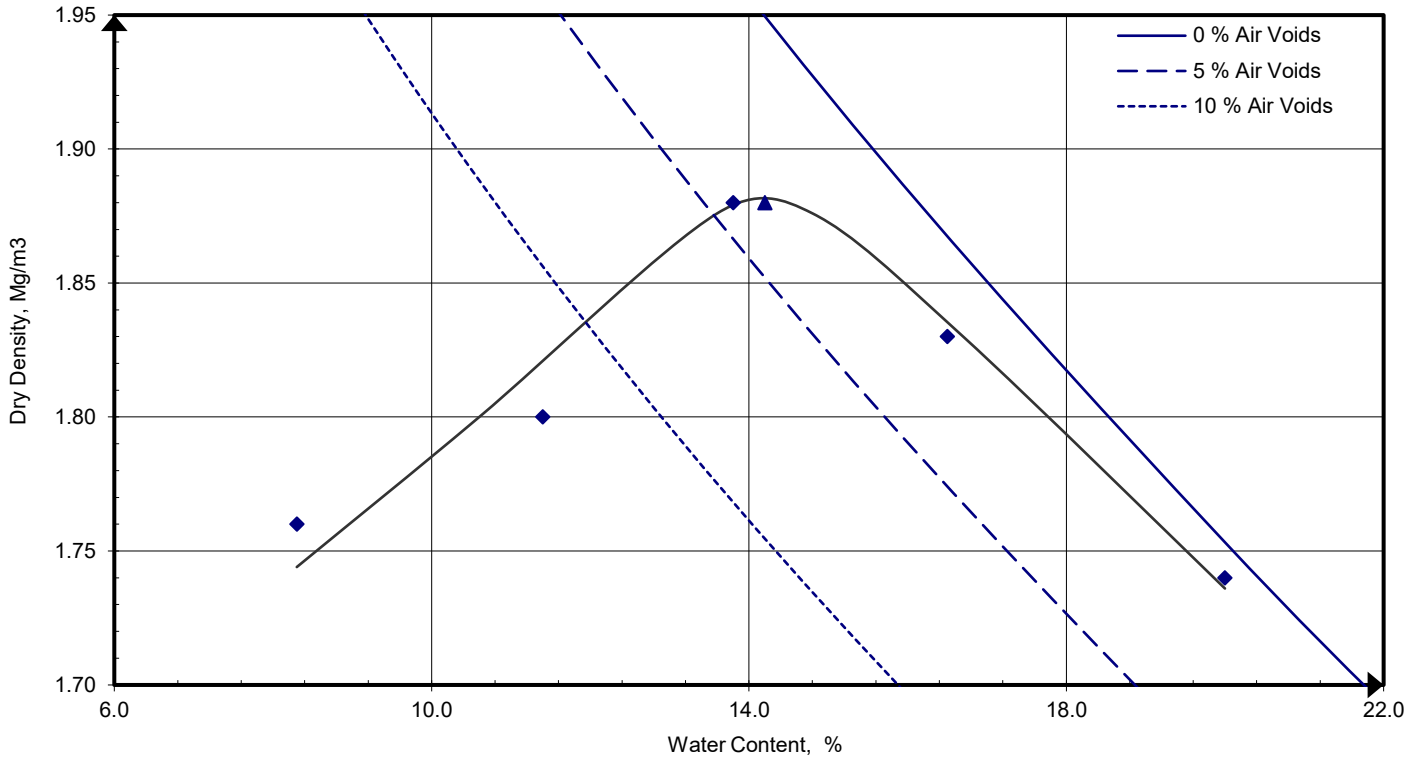
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570795	Depth Top [m]:	0.60
Hole No.:	TP02	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	8.3	11.4	13.8	16.5	20.0
Dry Density	Mg/m³	1.76	1.80	1.88	1.83	1.74

Grading zone	3
Mould Type	CBR
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	6
Particle Density - Assumed	Mg/m³	2.70
As received Water Content	%	14.2
Maximum Dry Density	Mg/m³	**1.88**

Optimum Water Content	%	**14**

Note: BS 1377-2:2022, CL 11.4

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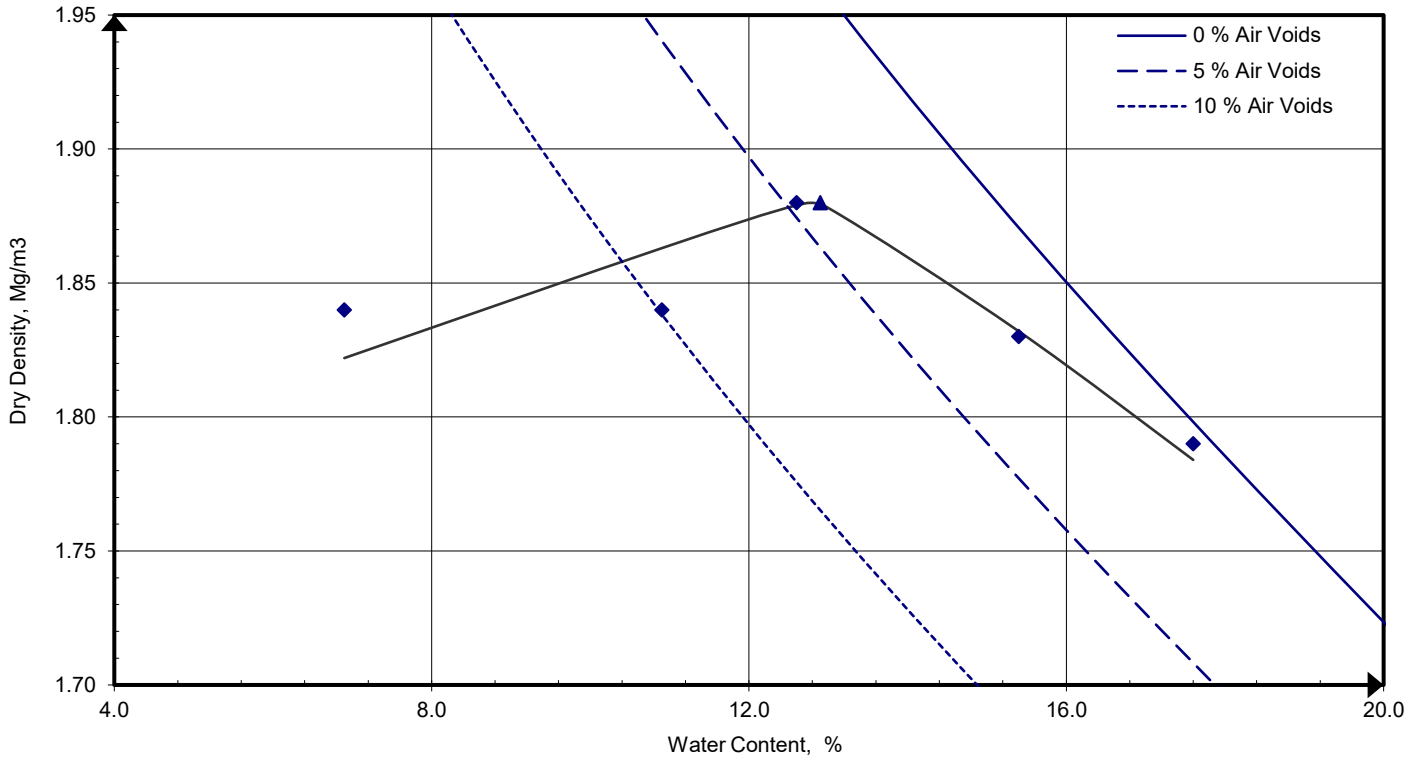
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570797	Depth Top [m]:	0.60
Hole No.:	TP03	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.9	10.9	12.6	15.4	17.6
Dry Density	Mg/m³	1.84	1.84	1.88	1.83	1.79

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.63
As received Water Content	%	18.4
Maximum Dry Density	Mg/m³	**1.88**

Optimum Water Content	%	**13**

Note: BS 1377-2:2022, cl 11.3

Remarks: Test specimen used for water content determination, of each compaction point, was smaller than the recommended mass, as per BS EN ISO 17892-1: 2014+A1: 2022, Table 1

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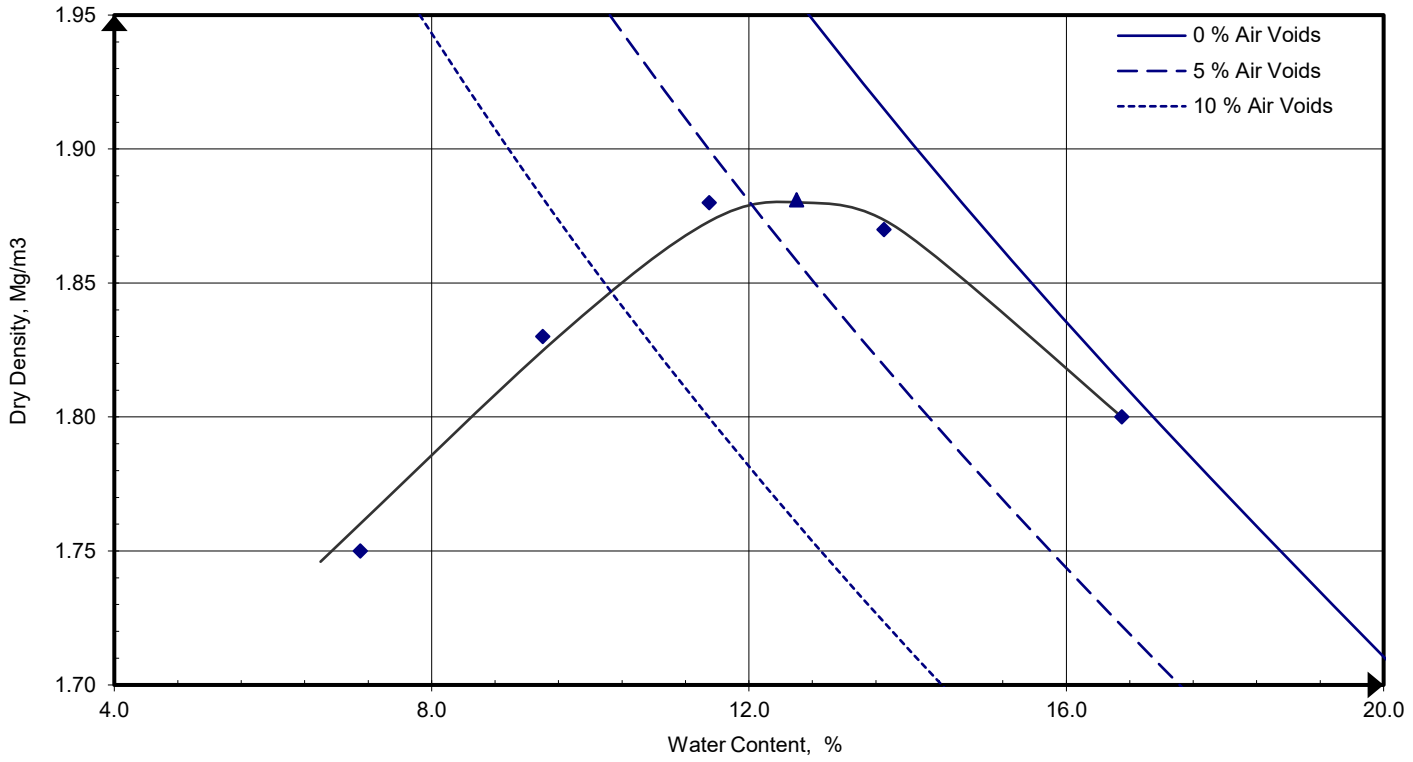
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570800	Depth Top [m]:	1.00
Hole No.:	TP72	Depth Base [m]:	1.20
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	7.1	9.4	11.5	13.7	16.7
Dry Density	Mg/m³	1.75	1.83	1.88	1.87	1.80

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	15.8
Maximum Dry Density	Mg/m³	**1.88**

Optimum Water Content	%	**13**

Note: BS 1377-2:2022, cl 11.3

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Northampton NN4 7EB

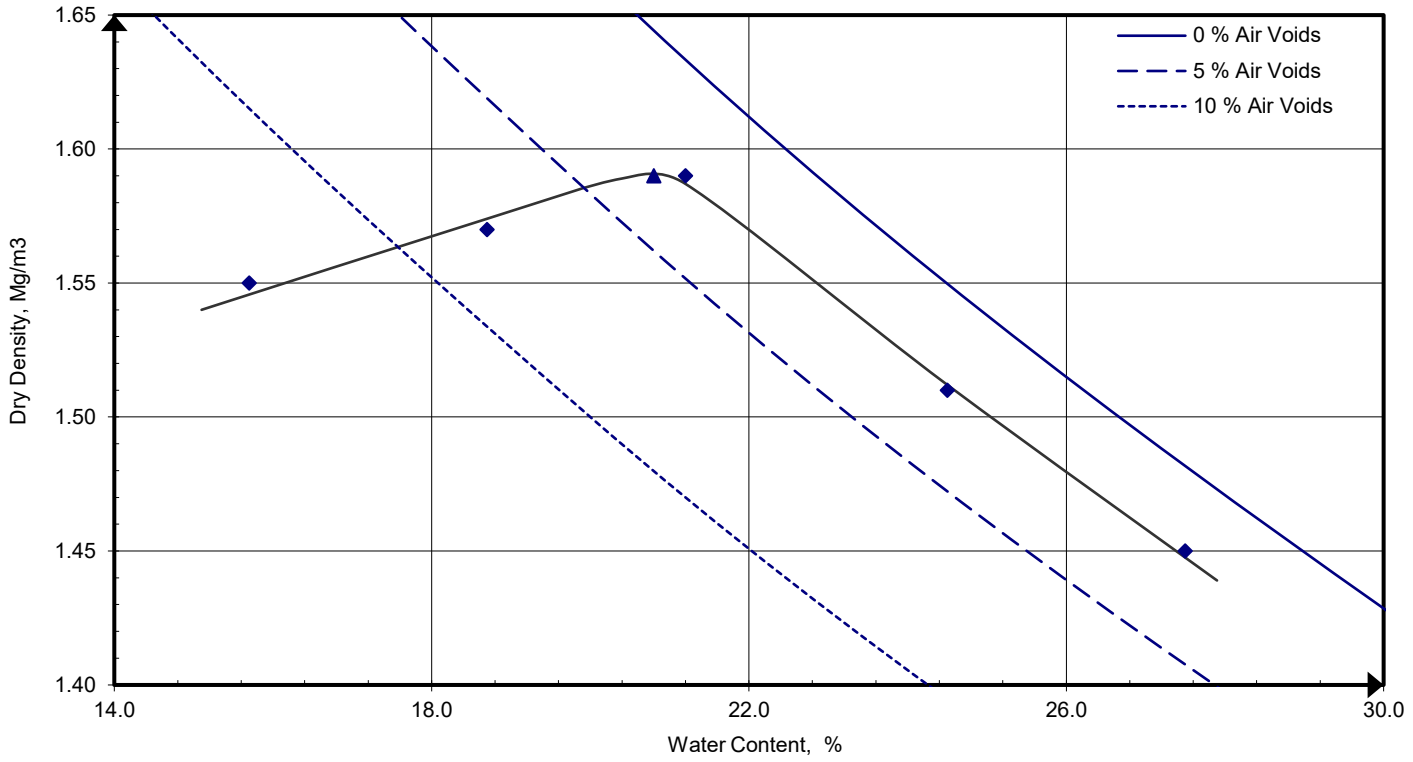
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	01/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570803	Depth Top [m]:	2.40
Hole No.:	TP04	Depth Base [m]:	2.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown PEAT		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	15.7	18.7	21.2	24.5	27.5
Dry Density	Mg/m³	1.55	1.57	1.59	1.51	1.45

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.50
As received Water Content	%	34.1
Maximum Dry Density	Mg/m³	**1.59**

Optimum Water Content	%	**21**

Note: BS 1377-2:2022, cl 11.3

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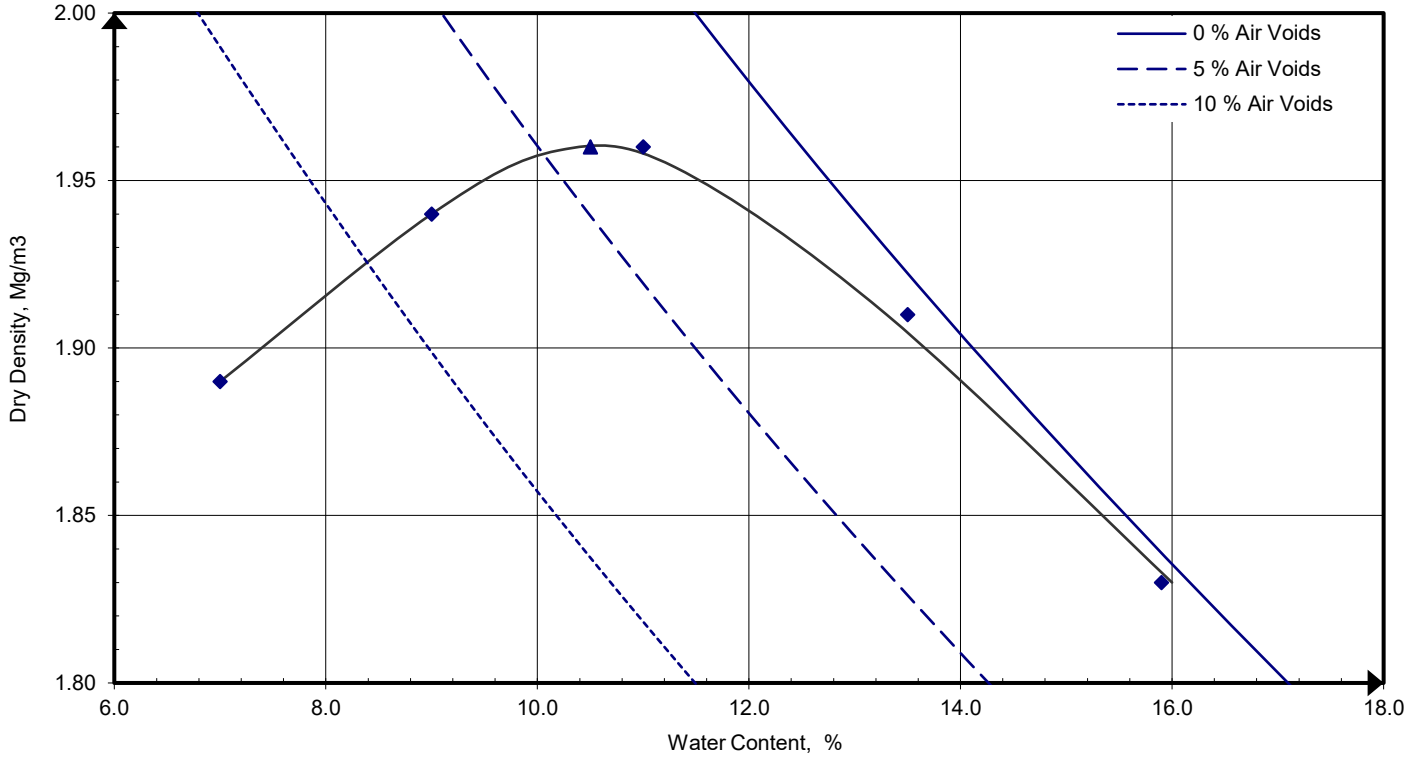
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	01/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570805	Depth Top [m]:	1.20
Hole No.:	TP34	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	7.0	9.0	11.0	13.5	15.9
Dry Density	Mg/m³	1.89	1.94	1.96	1.91	1.83

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	13.5
Maximum Dry Density	Mg/m³	**1.96**

Optimum Water Content	%	**11**

Note: BS 1377-2:2022, cl 11.3

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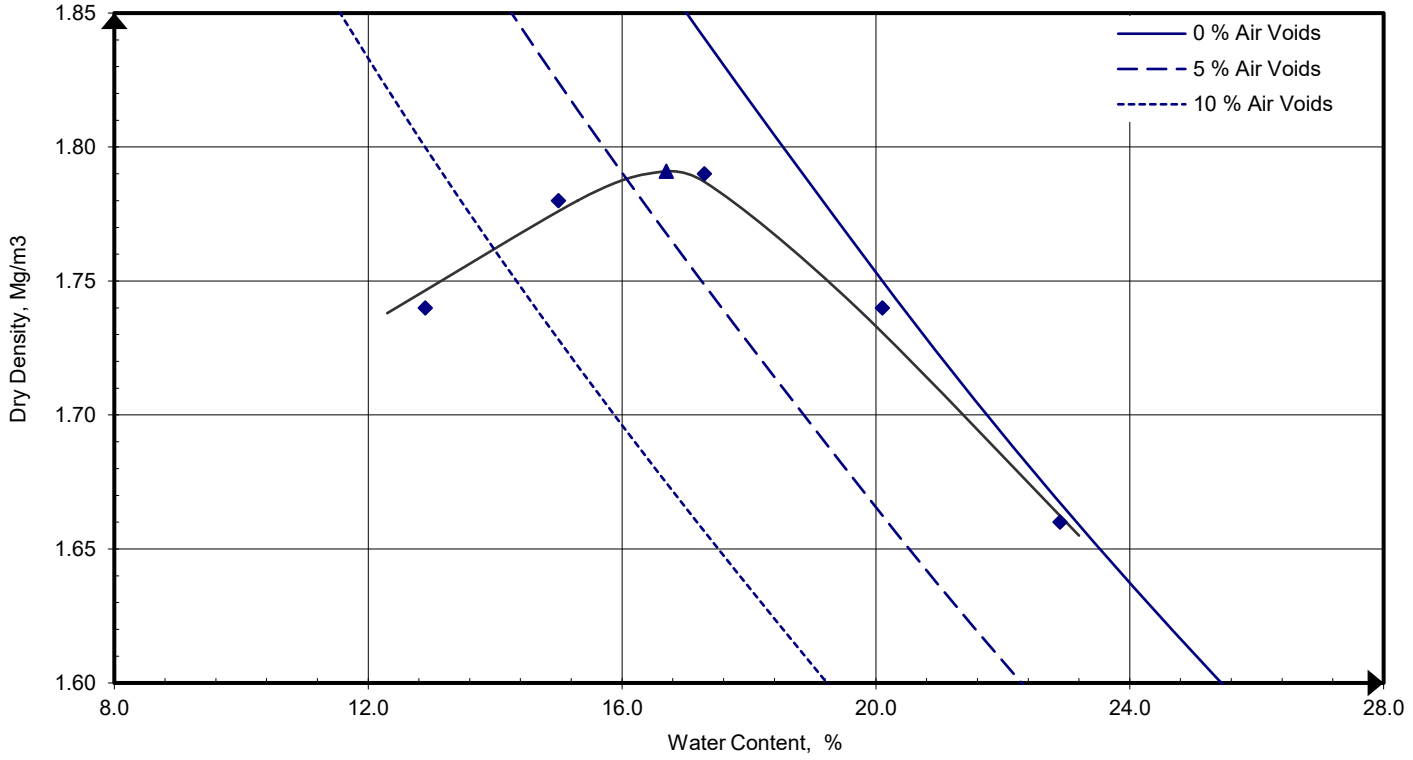
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	01/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570807	Depth Top [m]:	0.50
Hole No.:	TP33	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	12.9	15.0	17.3	20.1	22.9
Dry Density	Mg/m³	1.74	1.78	1.79	1.74	1.66

Grading zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	1
Particle Density - Assumed	Mg/m³	2.70
As received Water Content	%	17.3
Maximum Dry Density	Mg/m³	**1.79**

Optimum Water Content	%	**17**

Note: BS 1377-2:2022, cl 11.3

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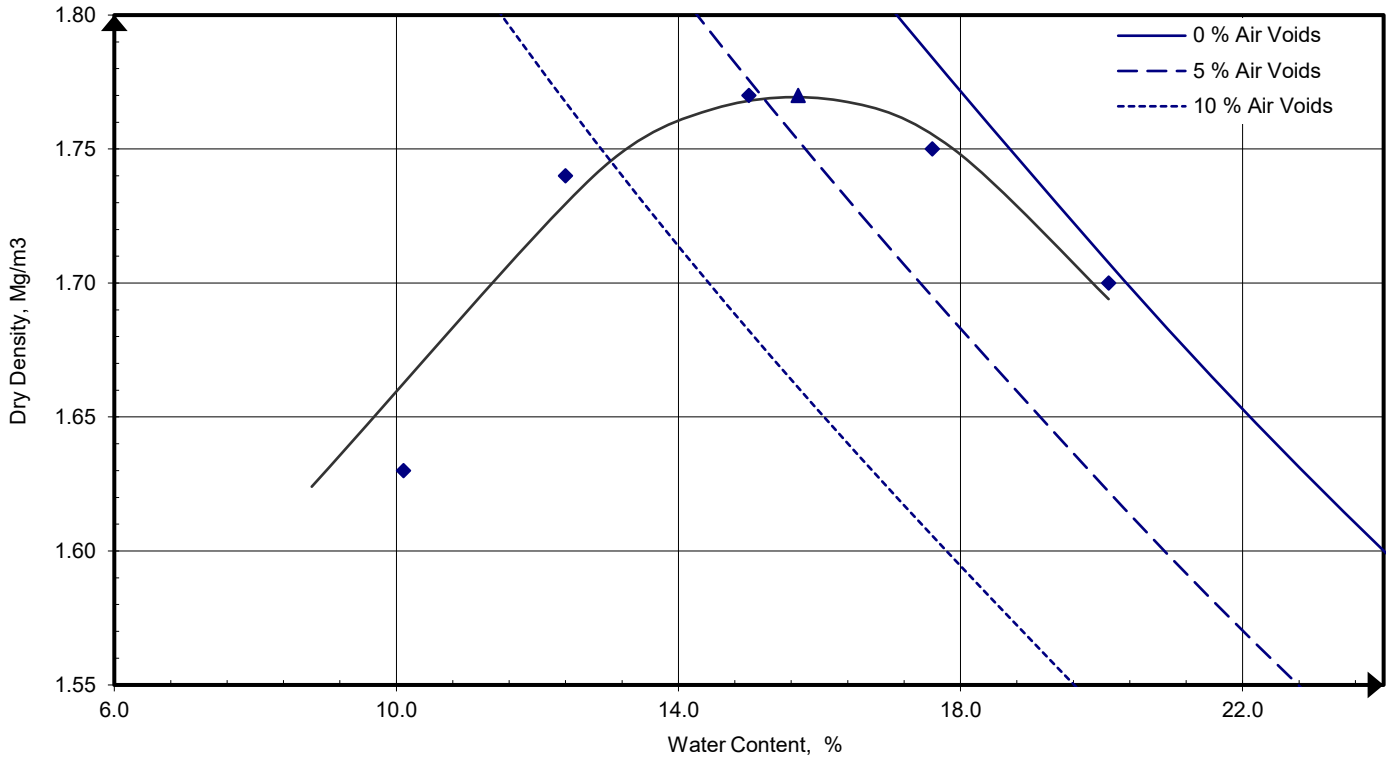
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	02/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570811	Depth Top [m]:	0.70
Hole No.:	TP36	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	10.1	12.4	15.0	17.6	20.1
Dry Density	Mg/m³	1.63	1.74	1.77	1.75	1.70

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	20.1
Maximum Dry Density	Mg/m³	**1.77**

Optimum Water Content	%	**16**

Note: BS 1377-2:2022, cl 11.3

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 599.2

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP COMPACTION METHOD USING 2.5 KG RAMMER

Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

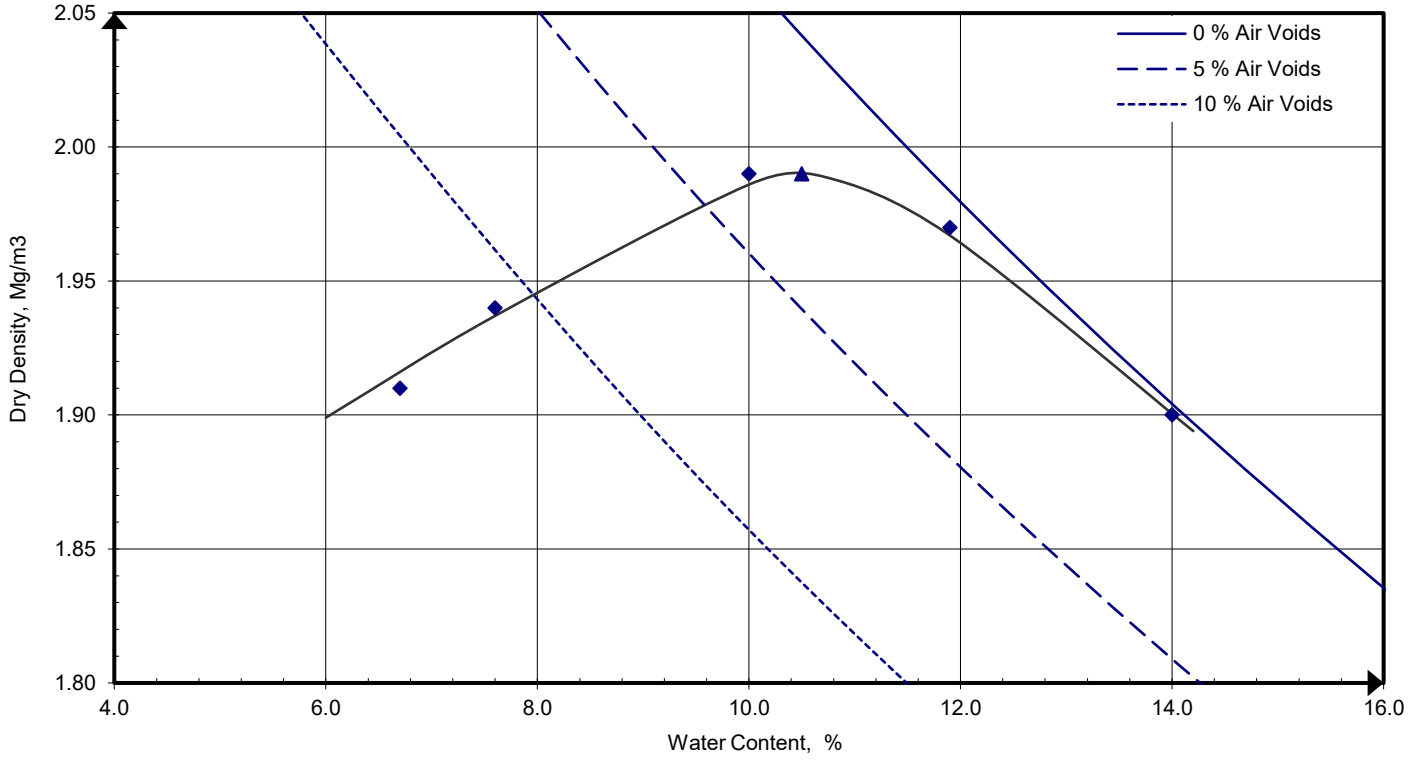
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	14/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570819	Depth Top [m]:	5.00
Hole No.:	RO01	Depth Base [m]:	8.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.7	7.6	10.0	11.9	14.0
Dry Density	Mg/m³	1.91	1.94	1.99	1.97	1.90

Grading zone	3
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	8
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	6.7
Maximum Dry Density	Mg/m³	**1.99**

Optimum Water Content	%	**11**

Note: BS 1377-2:2022, cl 11.3

Remarks: Insufficient amount of material - compacted in 1 litre mould. Result for first point is the same as CBR light result

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Date Reported: 11/07/2025

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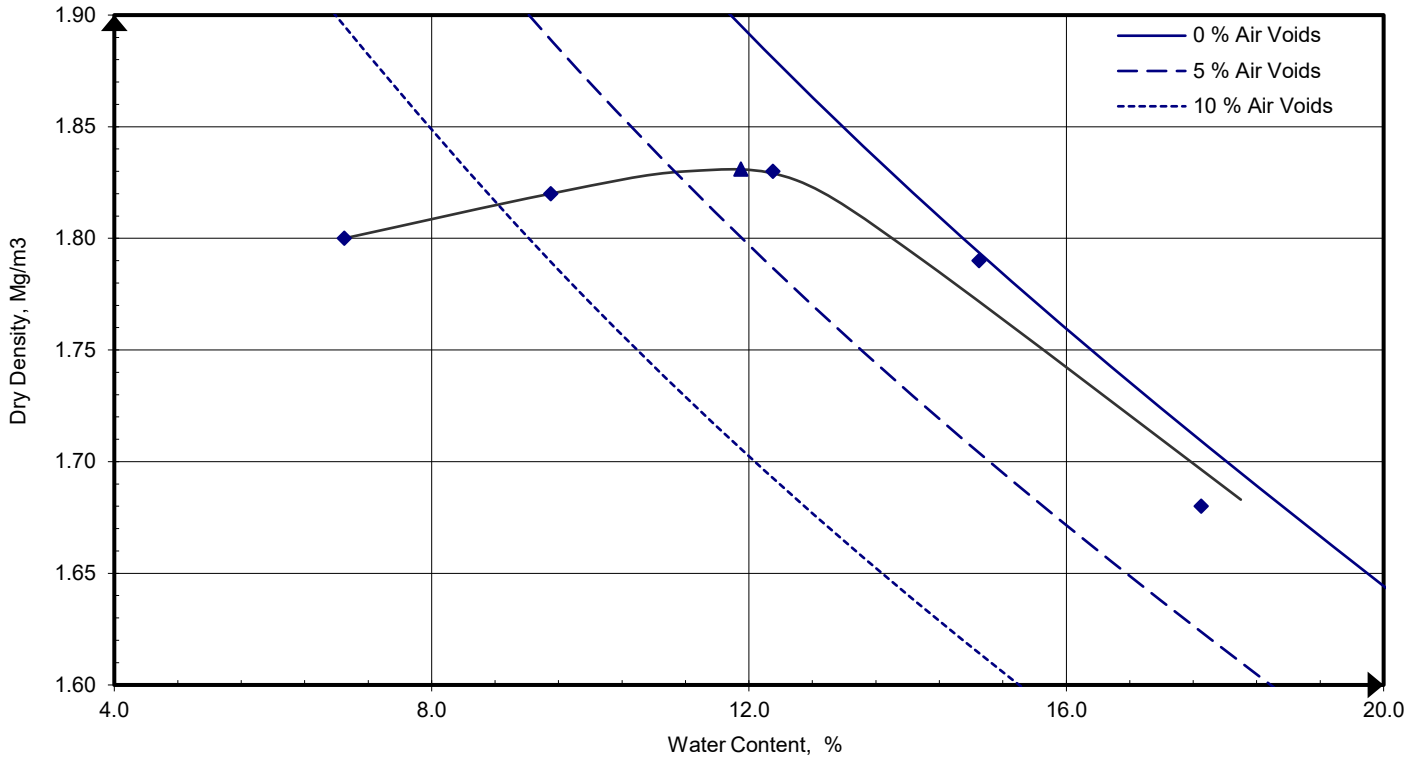
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570877	Depth Top [m]:	0.40
Hole No.:	Combine TP05 + TP07	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.9	9.5	12.3	14.9	17.7
Dry Density	Mg/m³	1.80	1.82	1.83	1.79	1.68

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.45
As received Water Content	%	14.9
Maximum Dry Density	Mg/m³	**1.83**

Optimum Water Content	%	**12**

Note: BS 1377-2:2022, cl 11.3

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP COMPACTION METHOD USING 2.5 KG RAMMER

Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

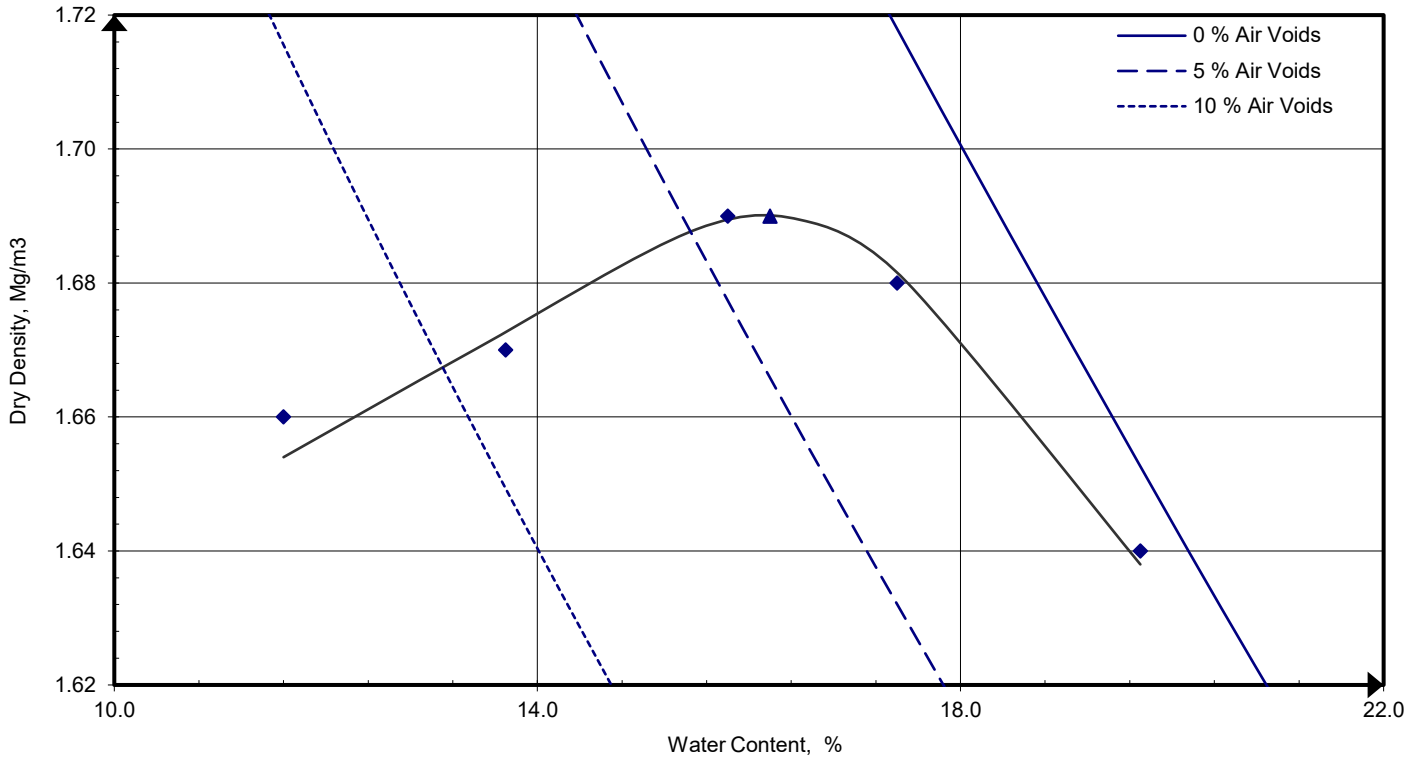
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572838	Depth Top [m]:	1.00
Hole No.:	TP48 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown gravelly SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	11.6	13.7	15.8	17.4	19.7
Dry Density	Mg/m³	1.66	1.67	1.69	1.68	1.64

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.45
As received Water Content	%	9.5
Maximum Dry Density	Mg/m³	**1.69**

Optimum Water Content	%	**16**

Note: BS 1377-2:2022, cl 11.3

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DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP COMPACTION METHOD USING 2.5 KG RAMMER

Tested in Accordance with: BS 1377-2: 2022, cl.11

i2 Analytical Ltd
Unit 8 Harrowden Road
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Northampton NN4 7EB

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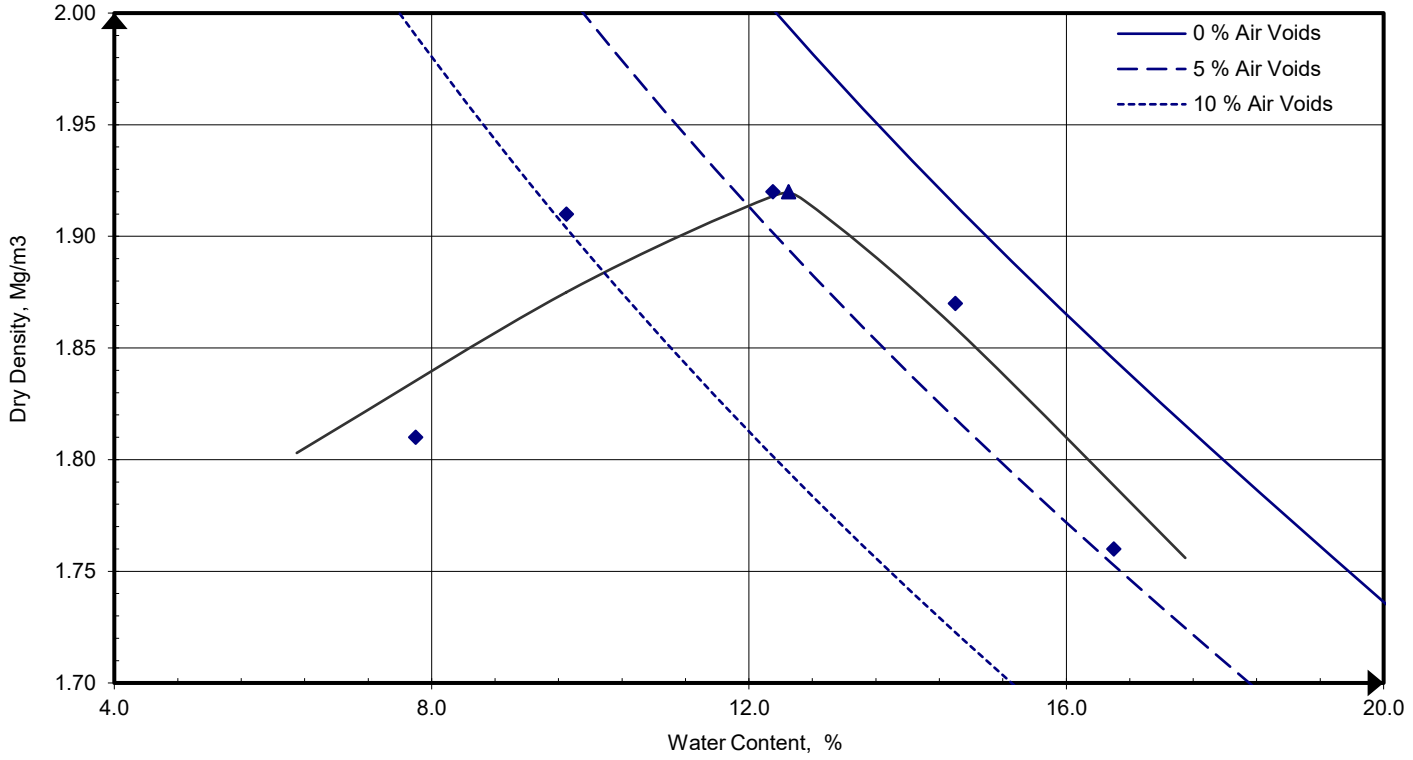
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	02/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572842	Depth Top [m]:	0.50
Hole No.:	TP71 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	7.8	9.7	12.3	14.6	16.6
Dry Density	Mg/m³	1.81	1.91	1.92	1.87	1.76

Grading zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	1
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.66
As received Water Content	%	11.1
Maximum Dry Density	Mg/m³	**1.92**

Optimum Water Content	%	**13**

Note: BS 1377-2:2022, cl 11.3

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Brackmills Industrial Estate
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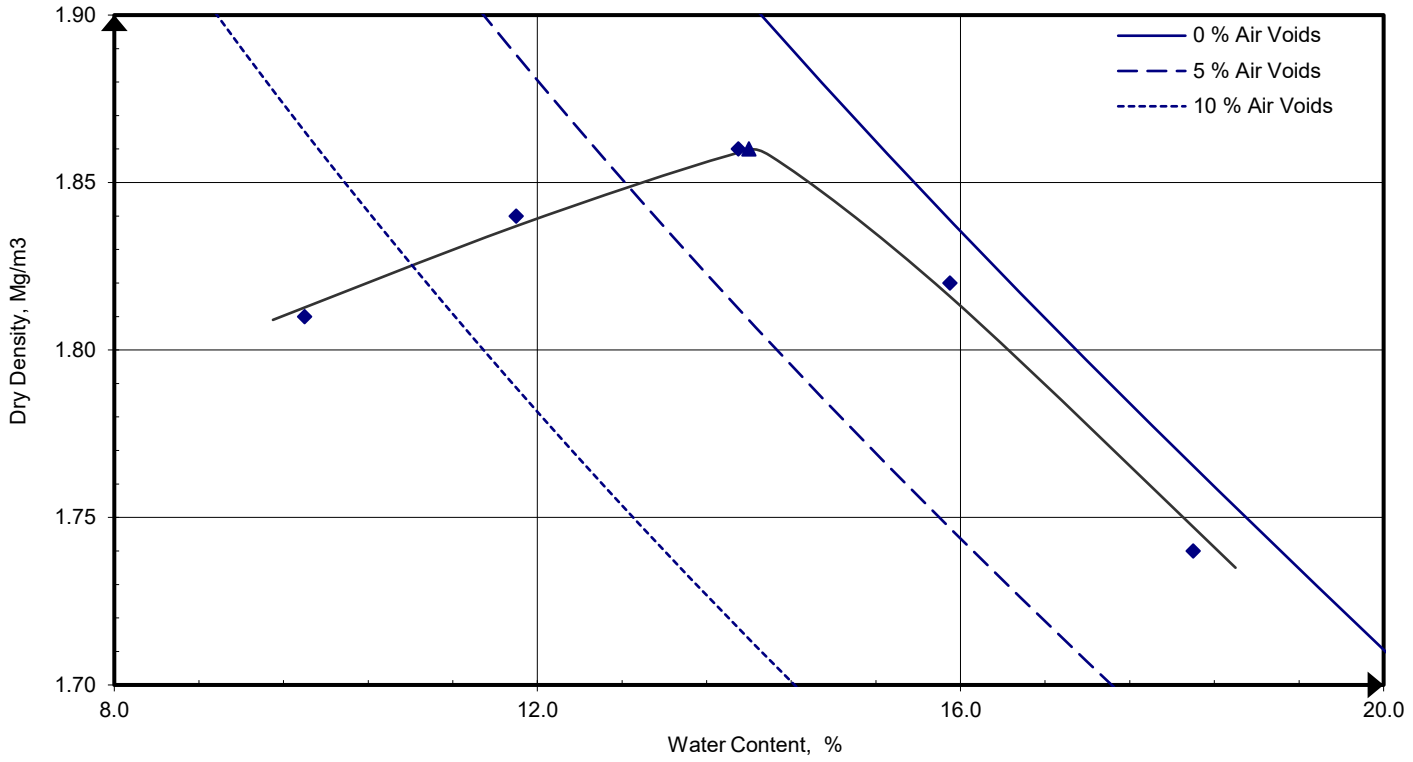
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572847	Depth Top [m]:	1.20
Hole No.:	TP46 2	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	9.8	11.8	13.9	15.9	18.2
Dry Density	Mg/m³	1.81	1.84	1.86	1.82	1.74

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	20.5
Maximum Dry Density	Mg/m³	**1.86**

Optimum Water Content	%	**14**

Note: BS 1377-2:2022, cl 11.3

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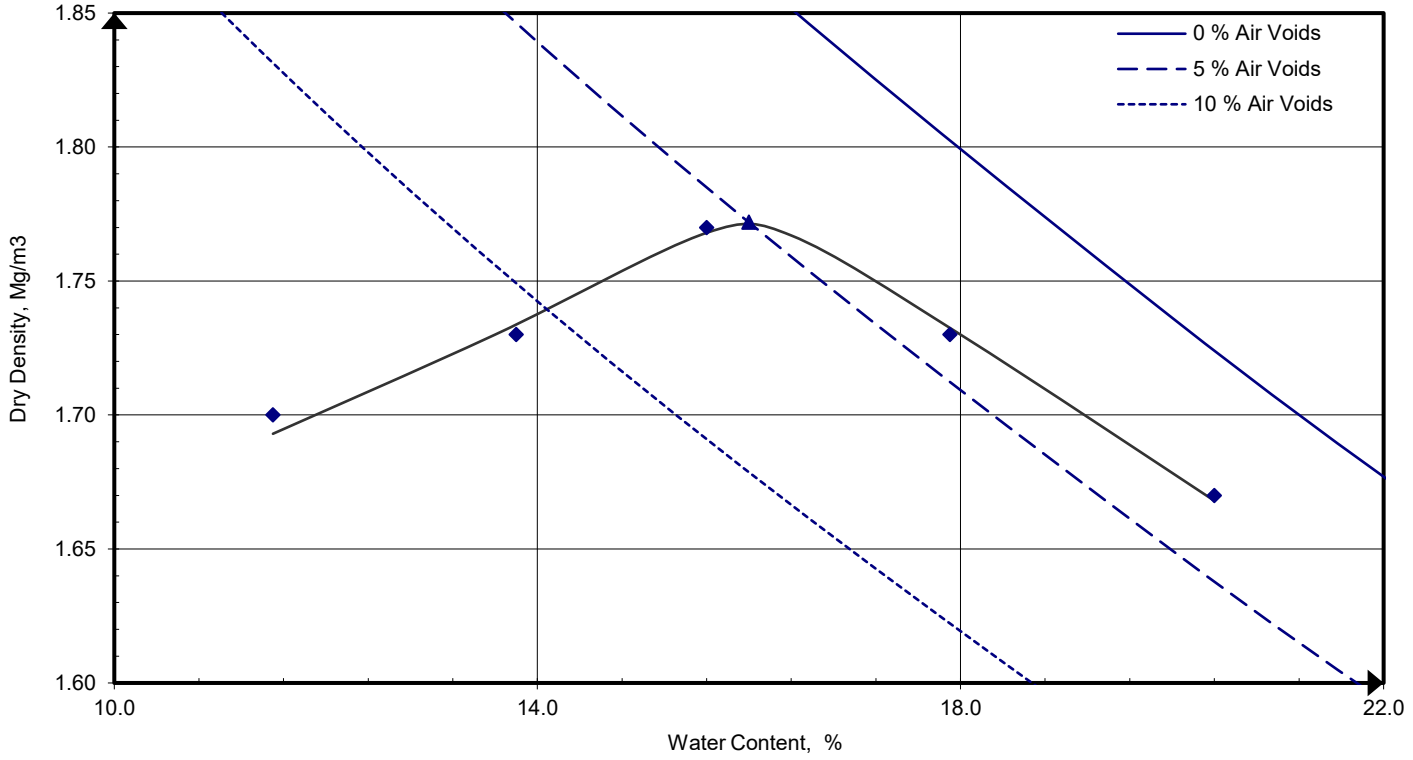
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572853	Depth Top [m]:	1.30
Hole No.:	Combine TP42@1.4+ TP40@1.3 + TP40@2.0	Depth Base [m]:	2.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	11.5	13.8	15.6	17.9	20.4
Dry Density	Mg/m³	1.70	1.73	1.77	1.73	1.67

Grading zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.66
As received Water Content	%	7.3
Maximum Dry Density	Mg/m³	**1.77**

Optimum Water Content	%	**16**

Note: BS 1377-2:2022, cl 11.3

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

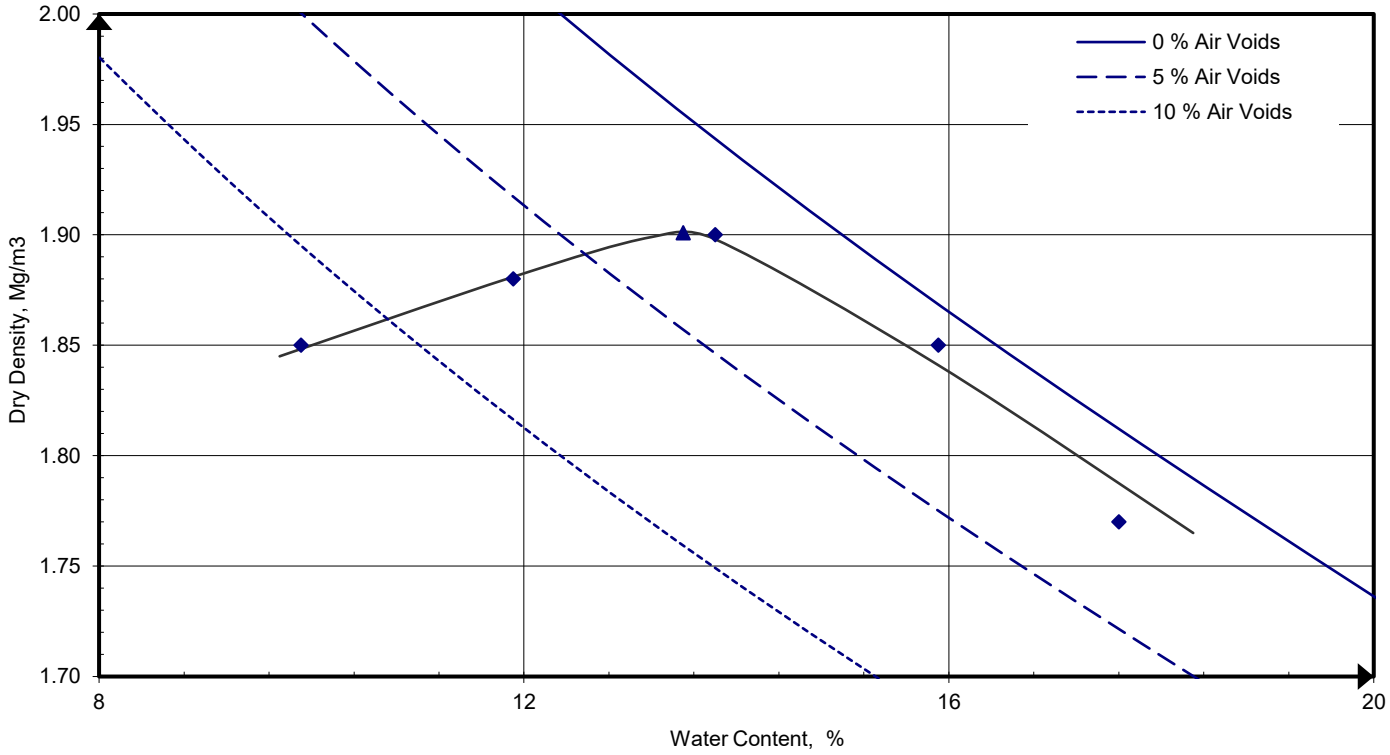
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	01/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570768	Depth Top [m]:	1.40
Hole No.:	TP17	Depth Base [m]:	1.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown clayey SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	9.9	11.9	13.8	15.9	17.6
Dry Density	Mg/m³	1.85	1.88	1.90	1.85	1.77

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.66
As received Water Content	%	9.3
Maximum Dry Density	Mg/m³	**1.90**

Optimum Water Content	%	**14**

BS 1377-2:2022, cl 11.5

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
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Brackmills Industrial Estate
Northampton NN4 7EB

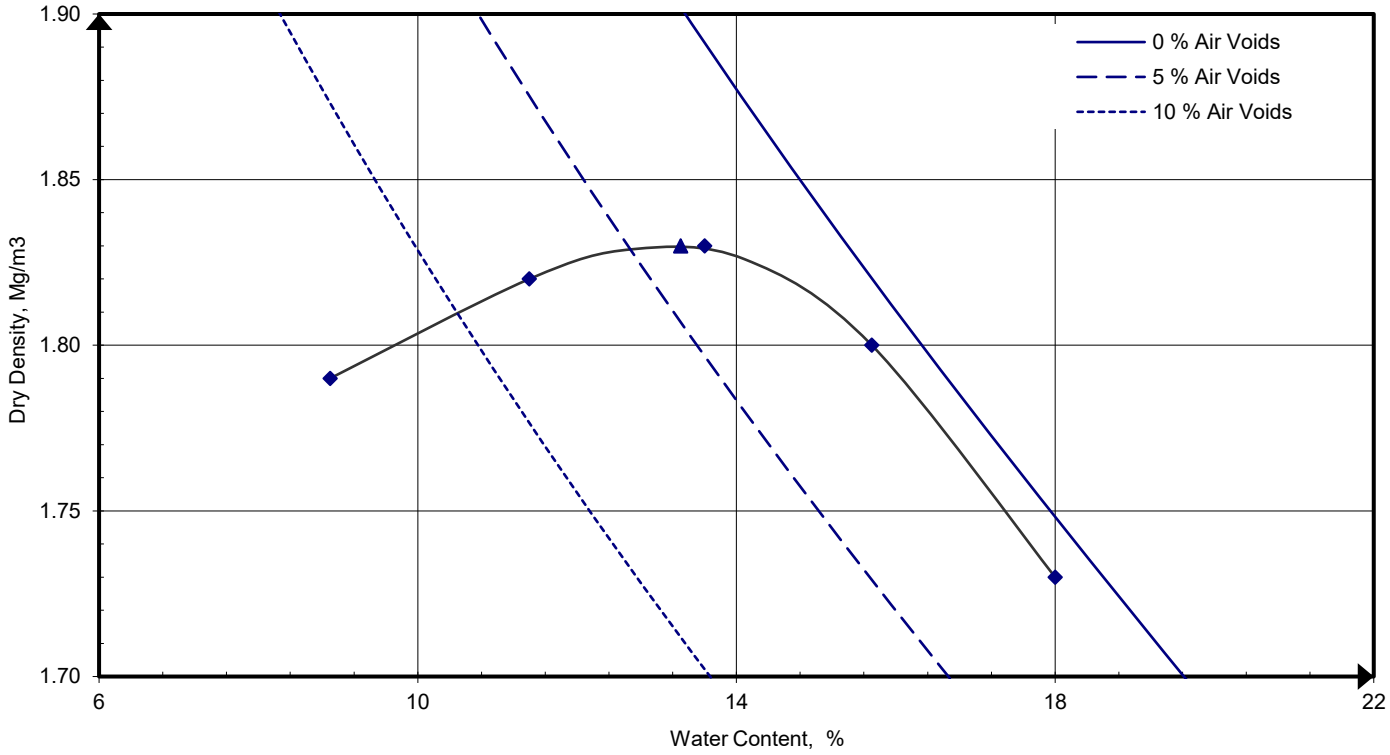
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	02/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570786	Depth Top [m]:	0.70
Hole No.:	TP16	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown clayey SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	8.9	11.4	13.6	15.7	18.0
Dry Density	Mg/m³	1.79	1.82	1.83	1.80	1.73

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.55
As received Water Content	%	7.3
Maximum Dry Density	Mg/m³	**1.83**

Optimum Water Content	%	**13**

BS 1377-2:2022, cl 11.5

Remarks:

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

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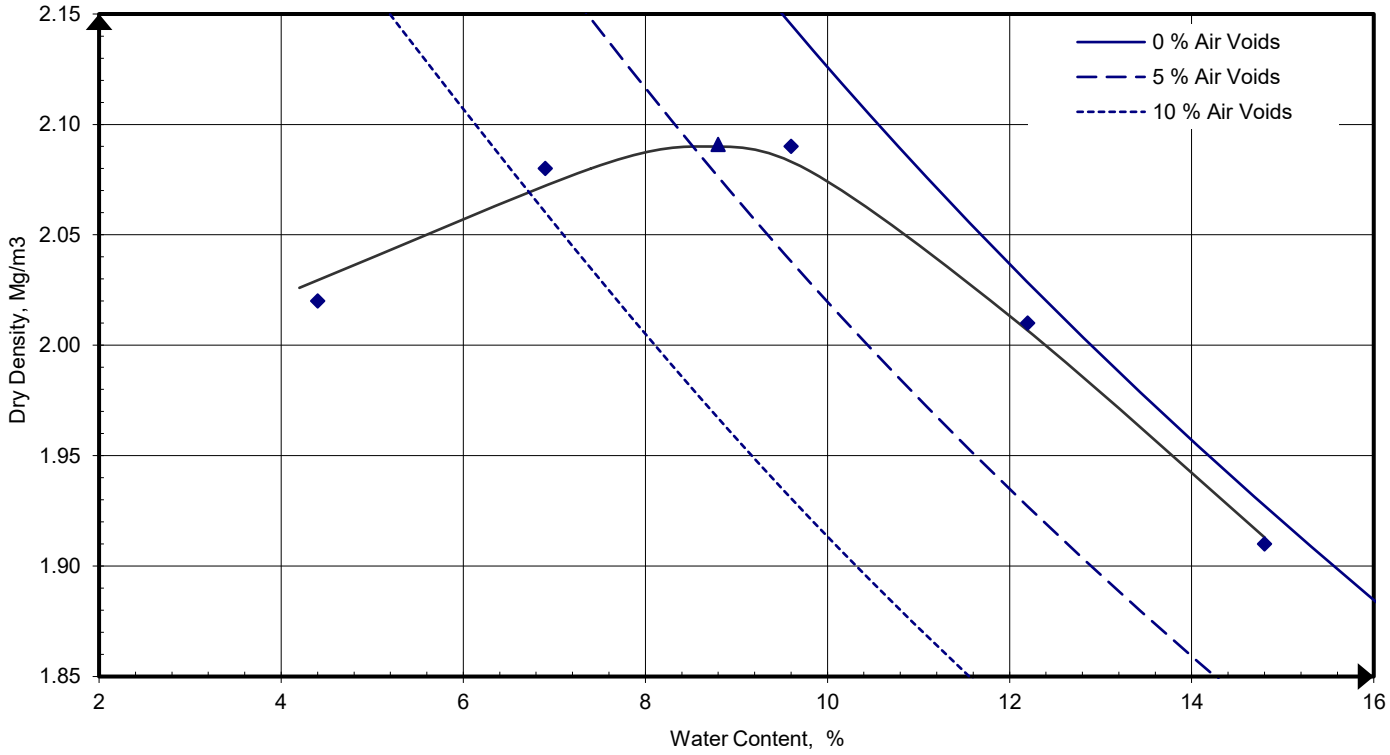
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570793	Depth Top [m]:	3.40
Hole No.:	TP05	Depth Base [m]:	3.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SILT		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	4.4	6.9	9.6	12.2	14.8
Dry Density	Mg/m³	2.02	2.08	2.09	2.01	1.91

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.70
As received Water Content	%	14.8
Maximum Dry Density	Mg/m³	**2.09**

Optimum Water Content	%	**8.8**

BS 1377-2:2022, cl 11.5

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Date Reported: 11/07/2025

GF 601.2

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

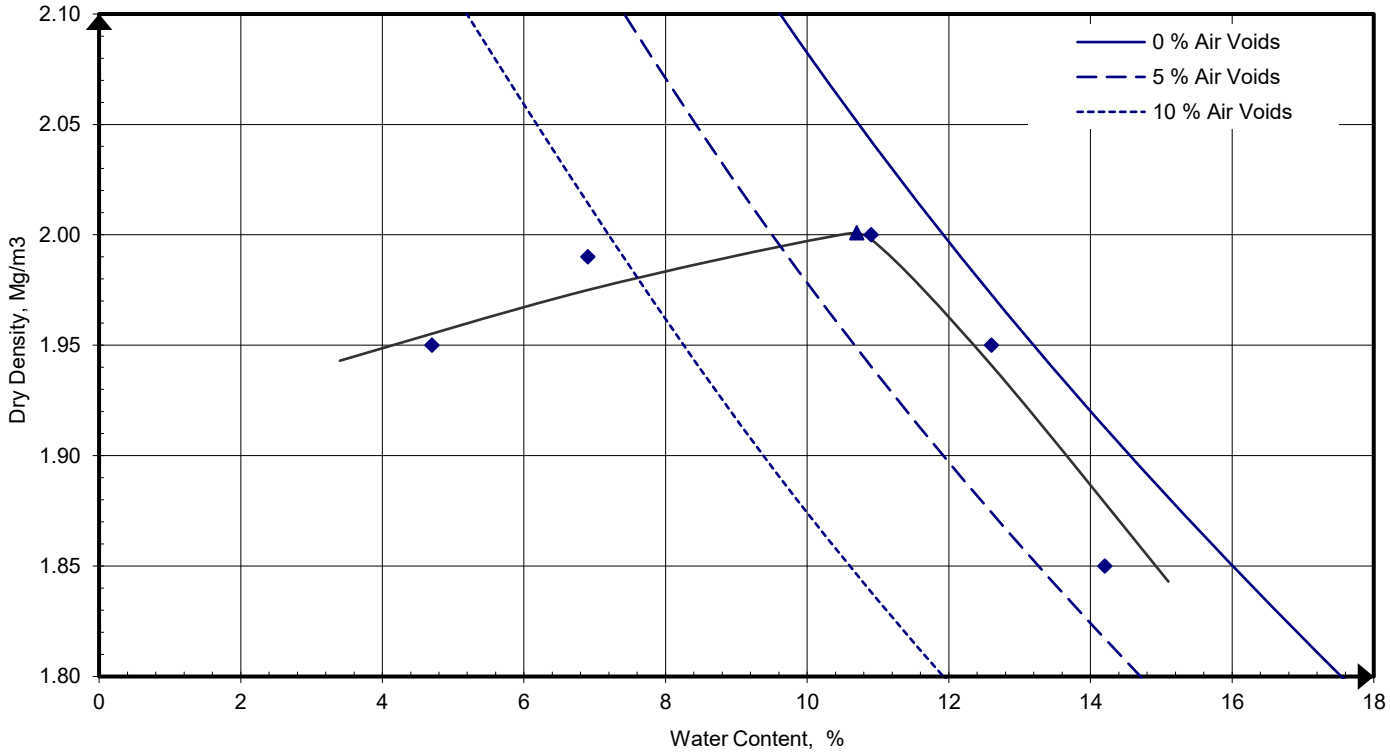
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570797	Depth Top [m]:	0.60
Hole No.:	TP03	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown slightly gravelly sandy silty CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	4.7	6.9	10.9	12.6	14.2
Dry Density	Mg/m³	1.95	1.99	2.00	1.95	1.85

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.63
As received Water Content	%	17.6
Maximum Dry Density	Mg/m³	**2.00**

Optimum Water Content	%	**11**

BS 1377-2:2022, cl 11.5

Remarks: Test specimen used for water content determination, of each compaction point, was smaller than the recommended mass, as per BS EN ISO 17892-1: 2014+A1: 2022, Table 1

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 601.2

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

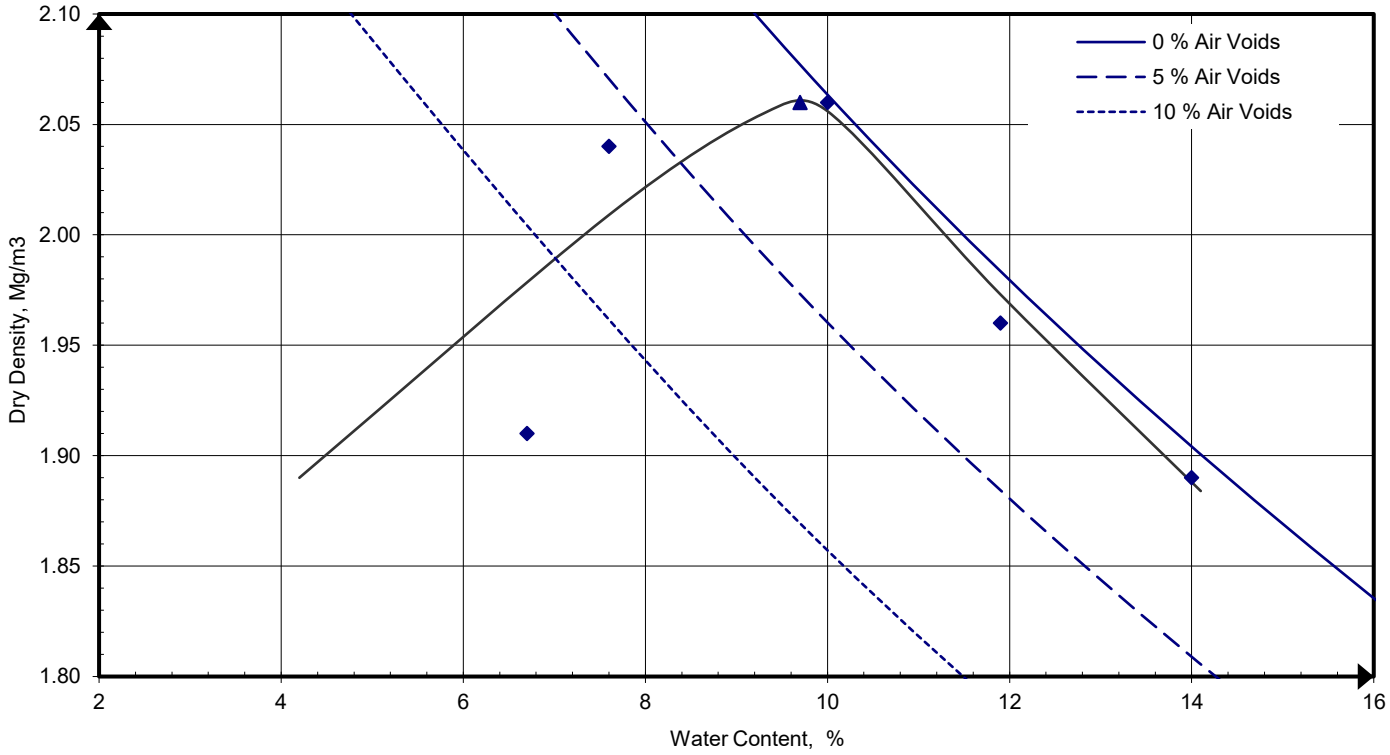
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	14/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570819	Depth Top [m]:	5.00
Hole No.:	RO01	Depth Base [m]:	8.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.7	7.6	10.0	11.9	14.0
Dry Density	Mg/m³	1.91	2.04	2.06	1.96	1.89

Grading Zone	3
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	8
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	6.7
Maximum Dry Density	Mg/m³	**2.06**

Optimum Water Content	%	**9.7**

BS 1377-2:2022, cl 11.5

Remarks: Insufficient amount of material - compacted in 1 litre mould. Result on first point is the same as CBR heavy result

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Date Reported: 11/07/2025

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DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

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Northampton NN4 7EB

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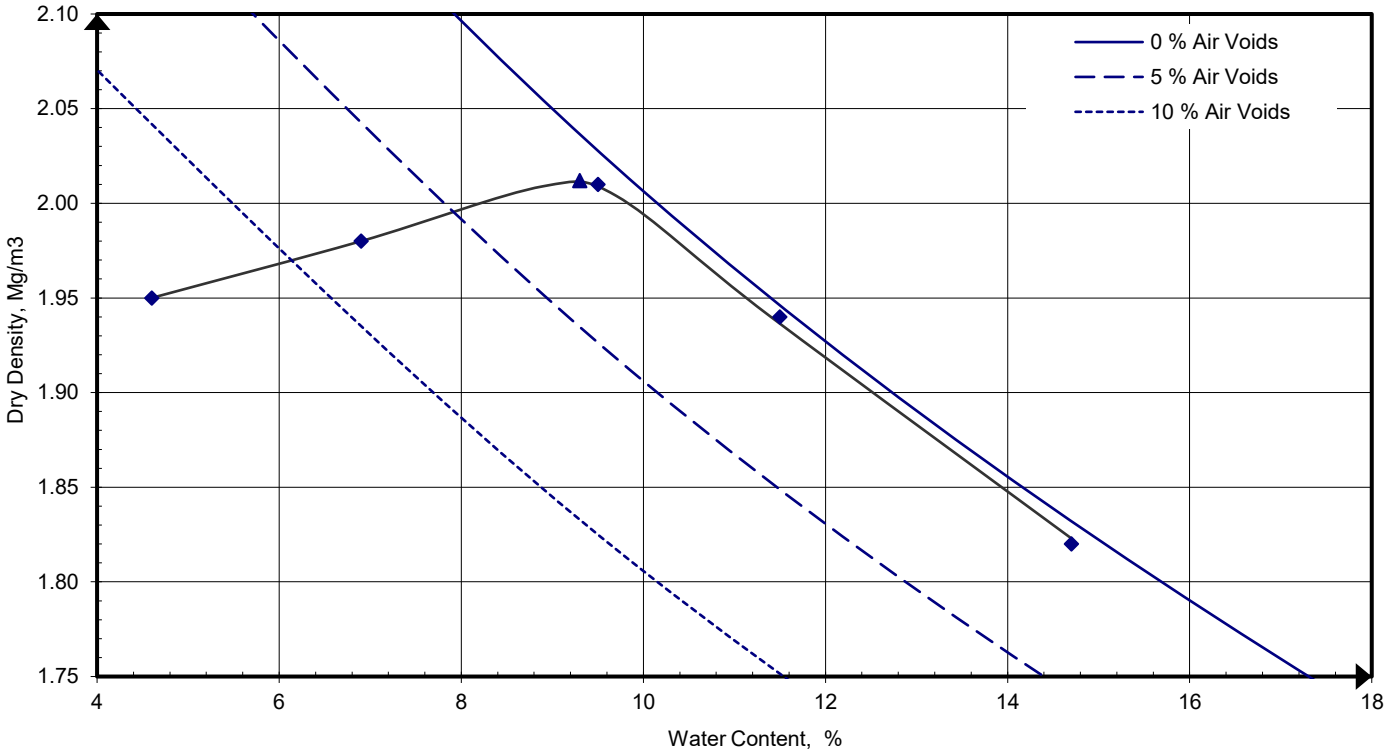
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	570877	Depth Top [m]:	0.40
Hole No.:	Combine TP05 + TP07	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	4.6	6.9	9.5	11.5	14.7
Dry Density	Mg/m³	1.95	1.98	2.01	1.94	1.82

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.51
As received Water Content	%	14.7
Maximum Dry Density	Mg/m³	**2.01**

Optimum Water Content	%	**9.3**

BS 1377-2:2022, cl 11.5

Remarks:

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Northampton NN4 7EB

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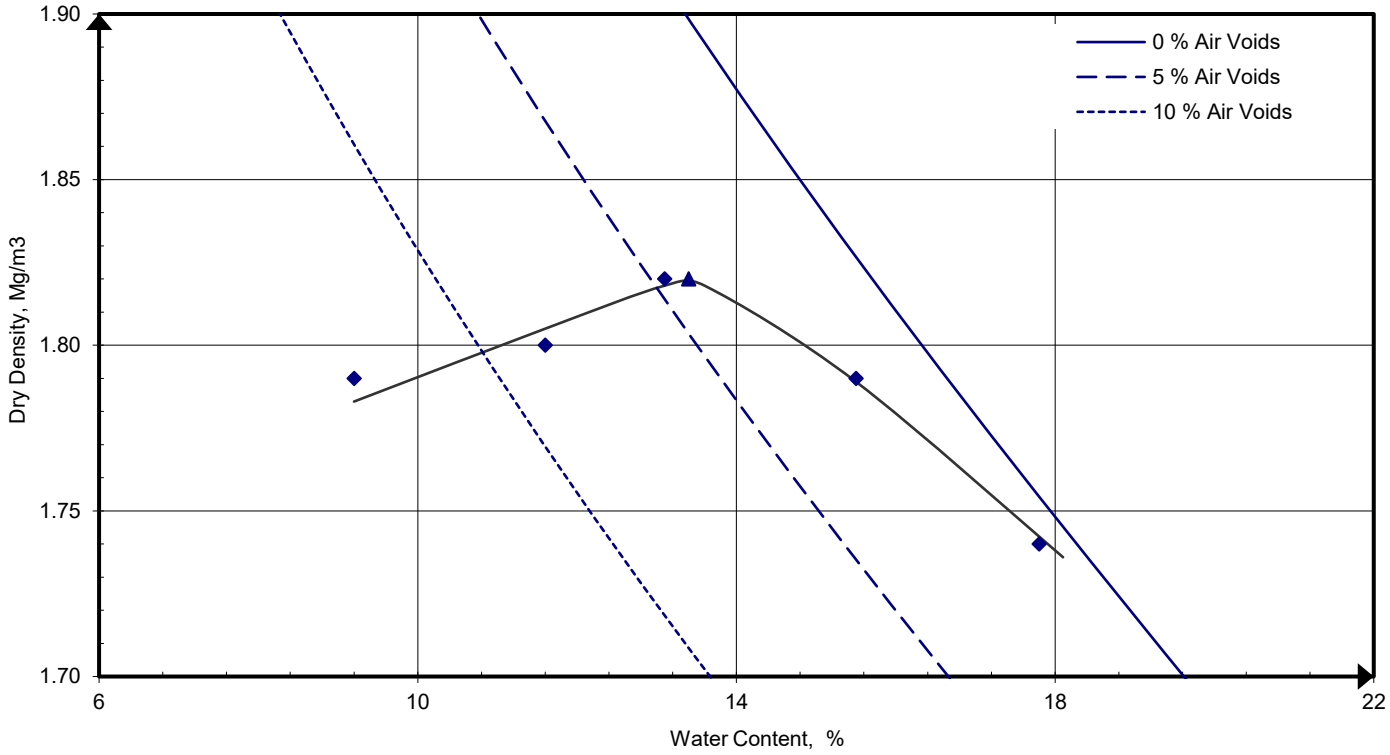
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572836	Depth Top [m]:	1.10
Hole No.:	TP50 2	Depth Base [m]:	1.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	9.2	11.6	13.1	15.5	17.8
Dry Density	Mg/m³	1.79	1.80	1.82	1.79	1.74

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.55
As received Water Content	%	9.2
Maximum Dry Density	Mg/m³	**1.82**

Optimum Water Content	%	**13**

BS 1377-2:2022, cl 11.5

Remarks:

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Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
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Northampton NN4 7EB

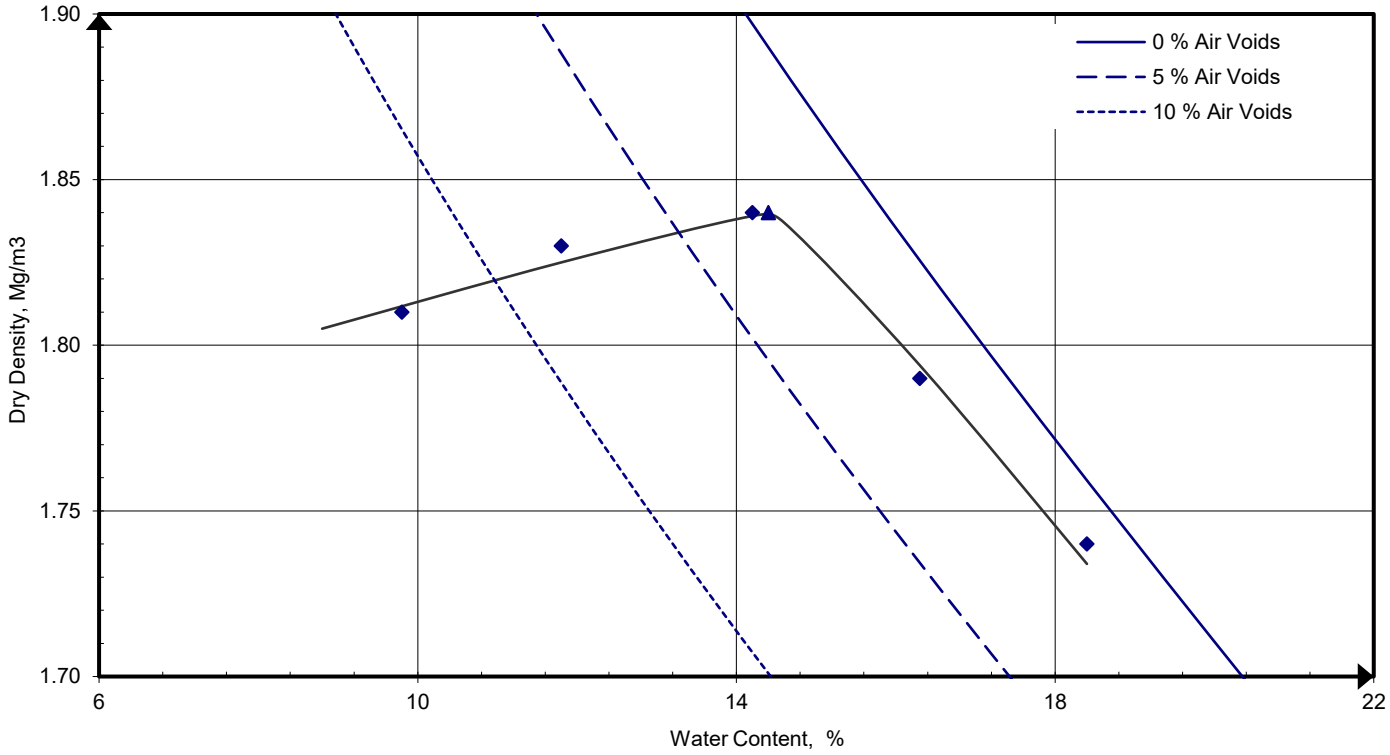
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	03/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572837	Depth Top [m]:	1.50
Hole No.:	TP50 3	Depth Base [m]:	1.75
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	9.8	11.8	14.2	16.3	18.4
Dry Density	Mg/m³	1.81	1.83	1.84	1.79	1.74

Grading Zone	X
Mould Type	CBR
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	18
Material Retained on 20.0 mm Sieve	%	53
Particle Density - Assumed	Mg/m³	2.60
As received Water Content	%	8.4
Maximum Dry Density	Mg/m³	**1.84**

Optimum Water Content	%	**14**

Notes: BS 1377-2:2022, CL 11.6

Remarks: Zone X - test carried out with clients consent.

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Katarzyna Koziel
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Date Reported: 11/07/2025

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DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

4041

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

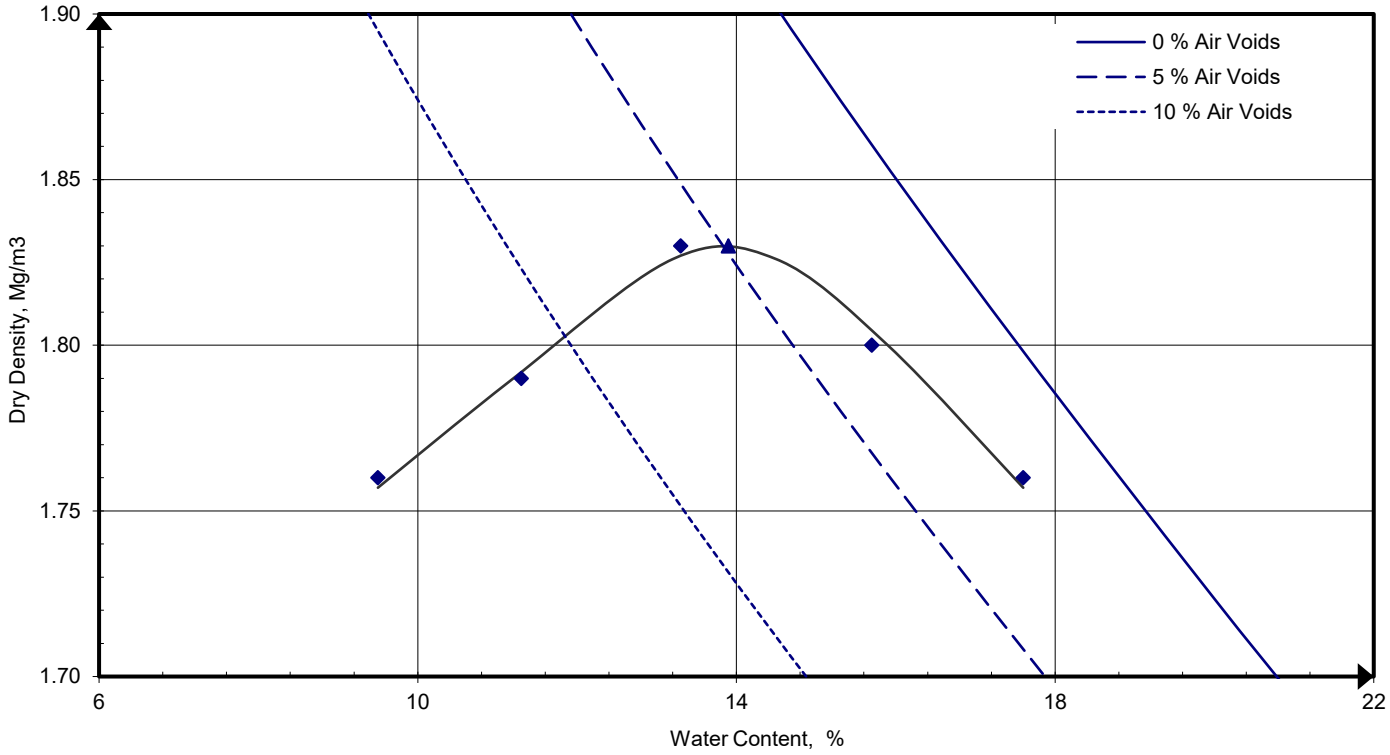
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572841	Depth Top [m]:	1.60
Hole No.:	TP51 4	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly sandy CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	9.5	11.3	13.3	15.7	17.6
Dry Density	Mg/m³	1.76	1.79	1.83	1.80	1.76

Grading Zone	5
Mould Type	CBR
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	10
Material Retained on 20.0 mm Sieve	%	25
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.63
As received Water Content	%	7.2
Maximum Dry Density	Mg/m³	**1.83**

Optimum Water Content	%	**14**

Notes: BS 1377-2:2022, CL 11.6

Remarks: Test specimen used for water content determination, of each compaction point, was smaller than the recommended mass, as per BS EN ISO 17892-1: 2014+A1: 2022, Table 1

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Northampton NN4 7EB

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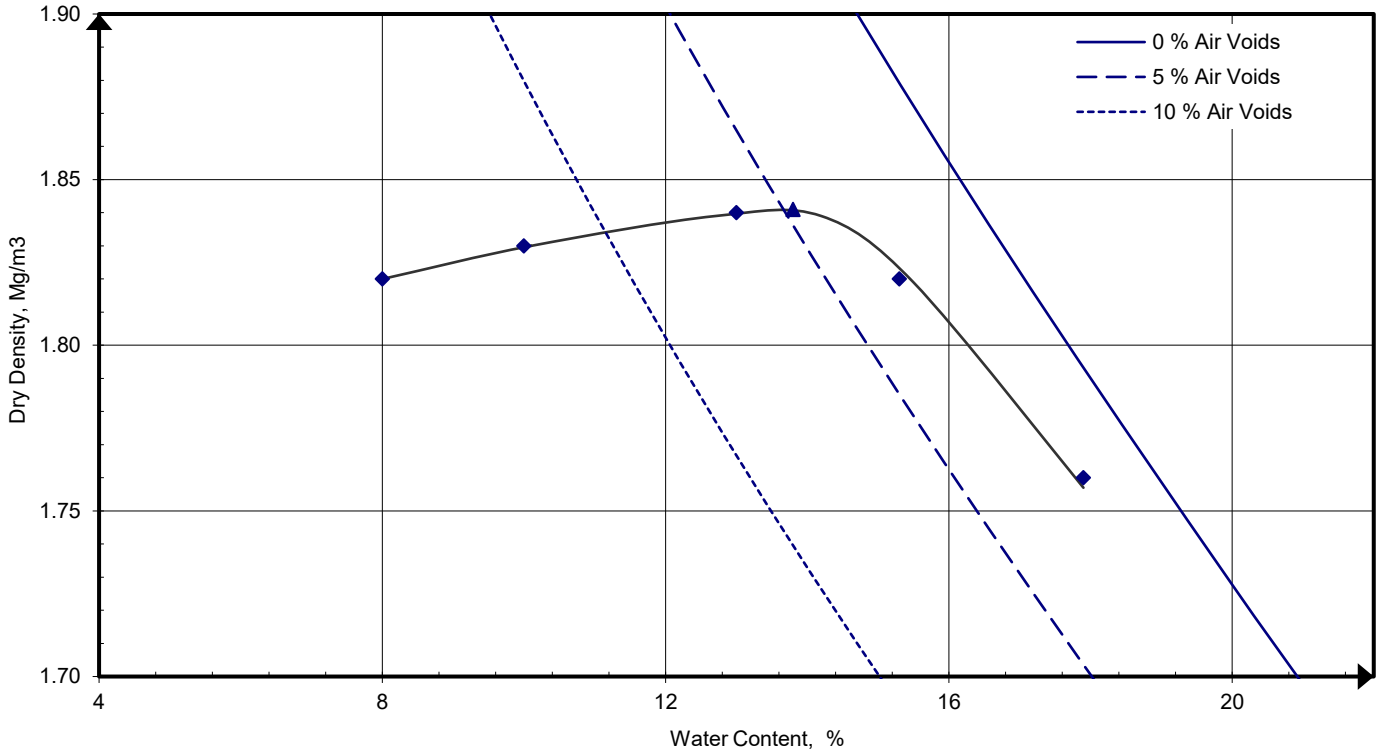
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	02/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572843	Depth Top [m]:	1.80
Hole No.:	TP71 3	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	8.0	10.0	13.0	15.3	17.9
Dry Density	Mg/m³	1.82	1.83	1.84	1.82	1.76

Grading Zone	X
Mould Type	CBR
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	10
Material Retained on 20.0 mm Sieve	%	21
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.64
As received Water Content	%	10.0
Maximum Dry Density	Mg/m³	**1.84**

Optimum Water Content	%	**14**

Notes: BS 1377-2:2022, CL 11.6

Remarks: Zone X - test carried out with clients consent.

Signed: Katarzyna Koziel

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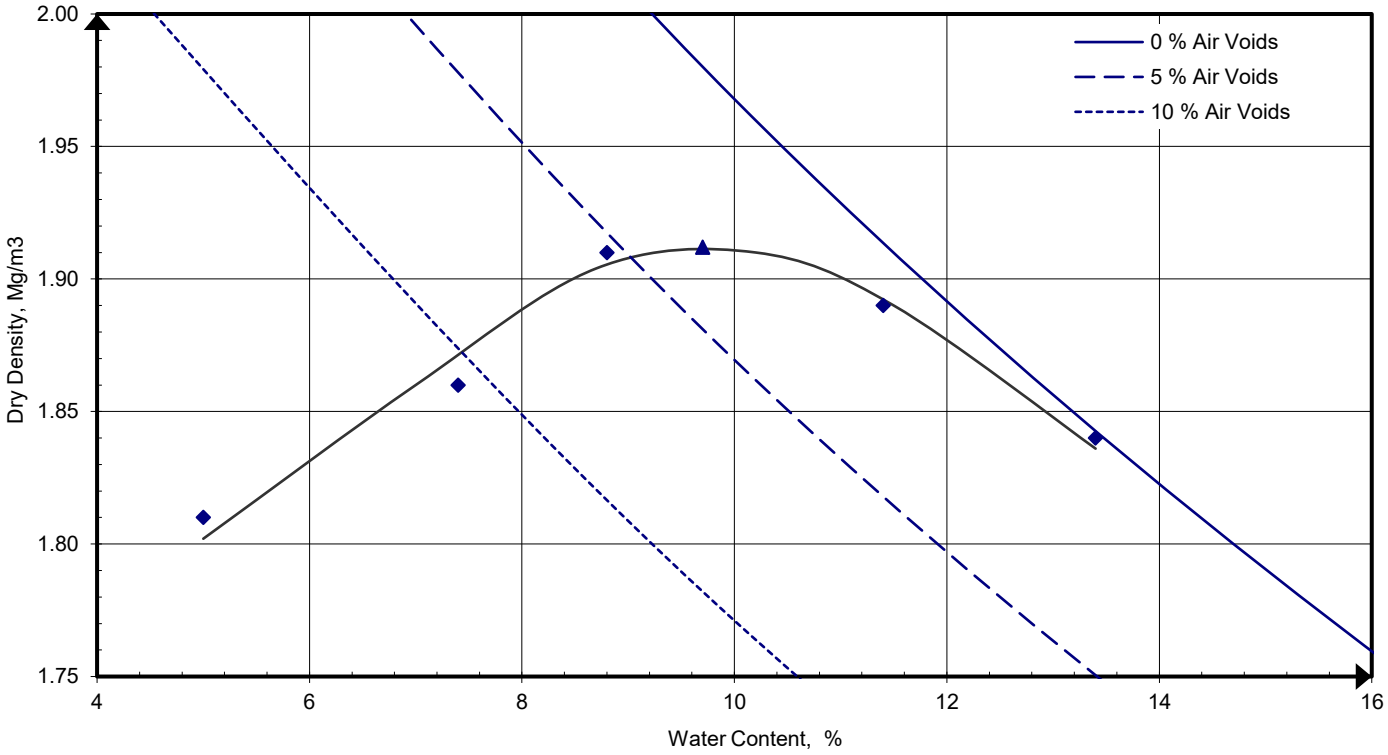
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	03/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572844	Depth Top [m]:	1.20
Hole No.:	TP47A 3	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	5.0	7.4	8.8	11.4	13.4
Dry Density	Mg/m³	1.81	1.86	1.91	1.89	1.84

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.45
As received Water Content	%	11.4
Maximum Dry Density	Mg/m³	**1.91**

Optimum Water Content	%	**9.7**

BS 1377-2:2022, cl 11.5

Remarks:

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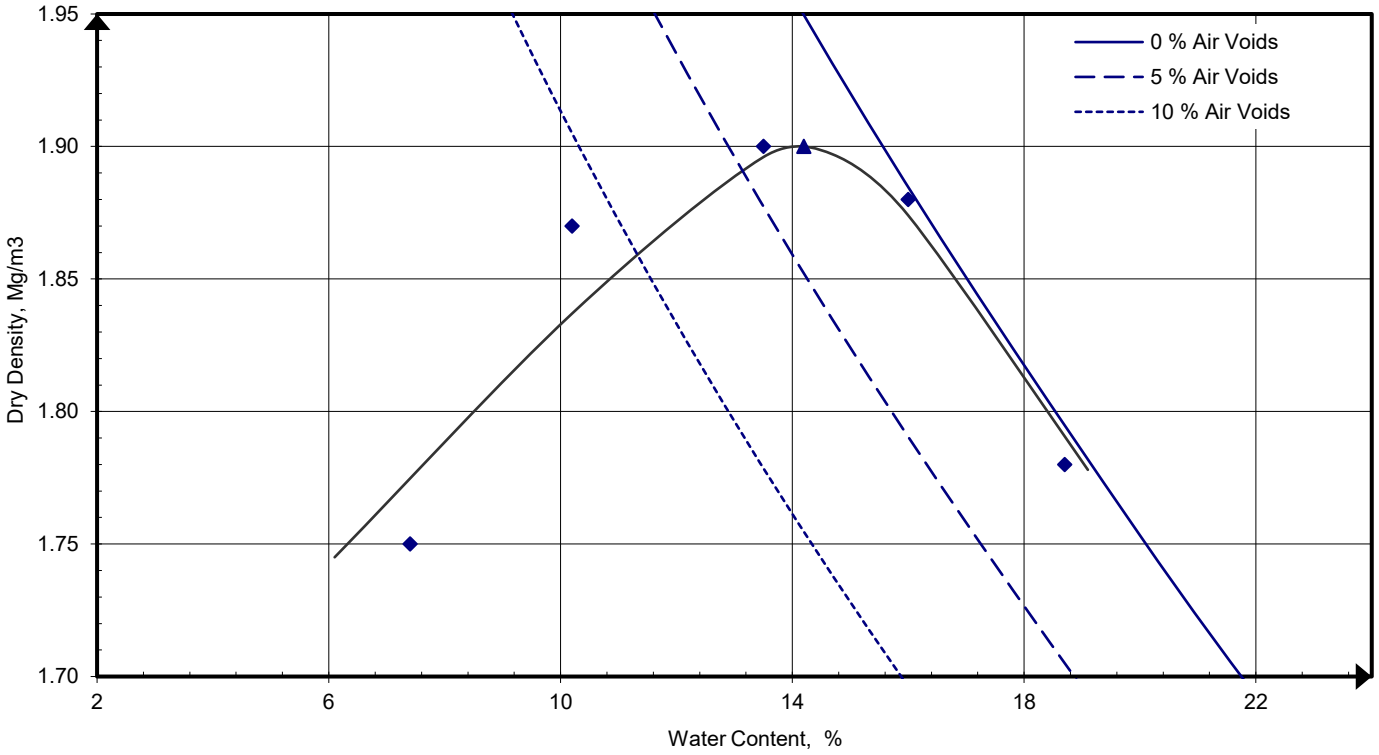
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572846	Depth Top [m]:	0.80
Hole No.:	TP46 2	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown gravelly CLAY		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	7.4	10.2	13.5	16.0	18.7
Dry Density	Mg/m³	1.75	1.87	1.90	1.88	1.78

Grading Zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	1
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.70
As received Water Content	%	18.7
Maximum Dry Density	Mg/m³	**1.90**

Optimum Water Content	%	**14**

BS 1377-2:2022, cl 11.5

Remarks:

Signed: Katarzyna Koziel

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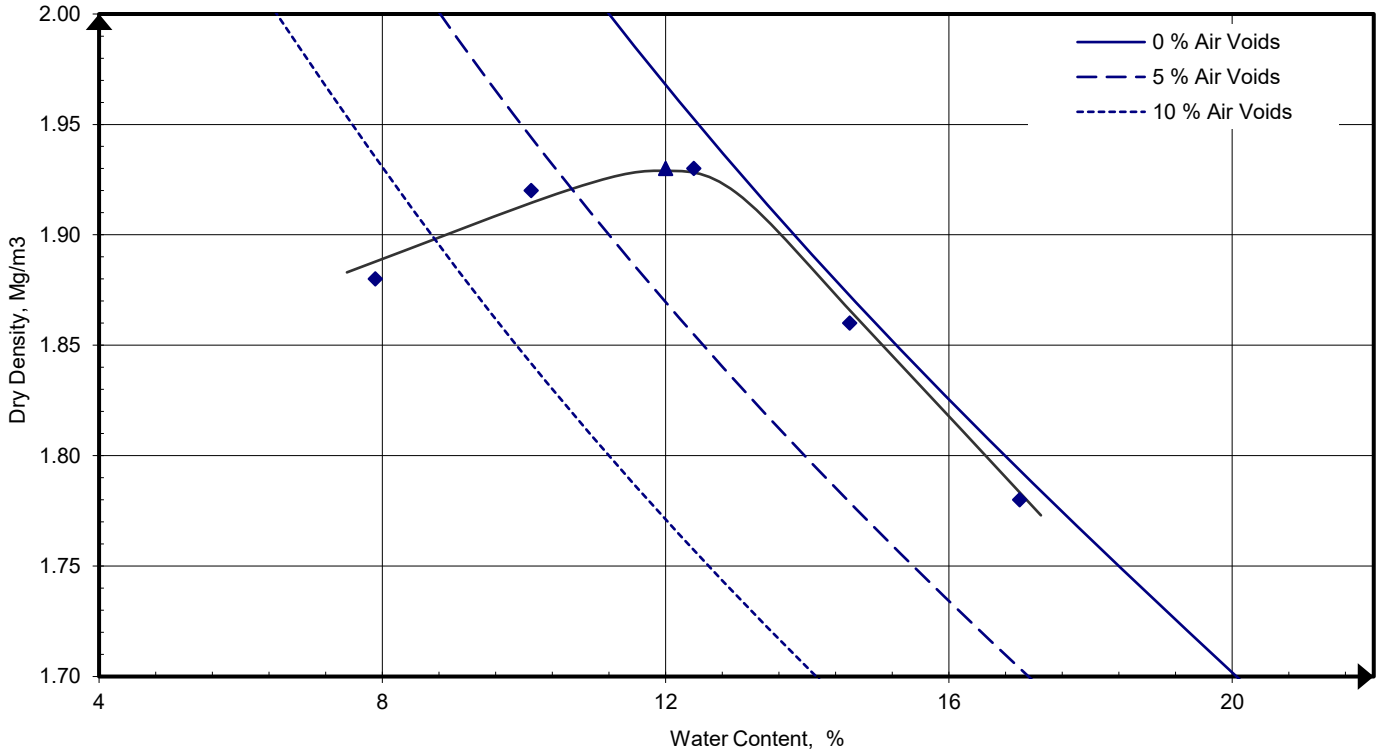
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	07/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572848	Depth Top [m]:	0.45
Hole No.:	TP41 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown slightly clayey SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	7.9	10.1	12.4	14.6	17.0
Dry Density	Mg/m³	1.88	1.92	1.93	1.86	1.78

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.58
As received Water Content	%	14.6
Maximum Dry Density	Mg/m³	**1.93**

Optimum Water Content	%	**12**

BS 1377-2:2022, cl 11.5

Remarks:

Signed: Katarzyna Koziel

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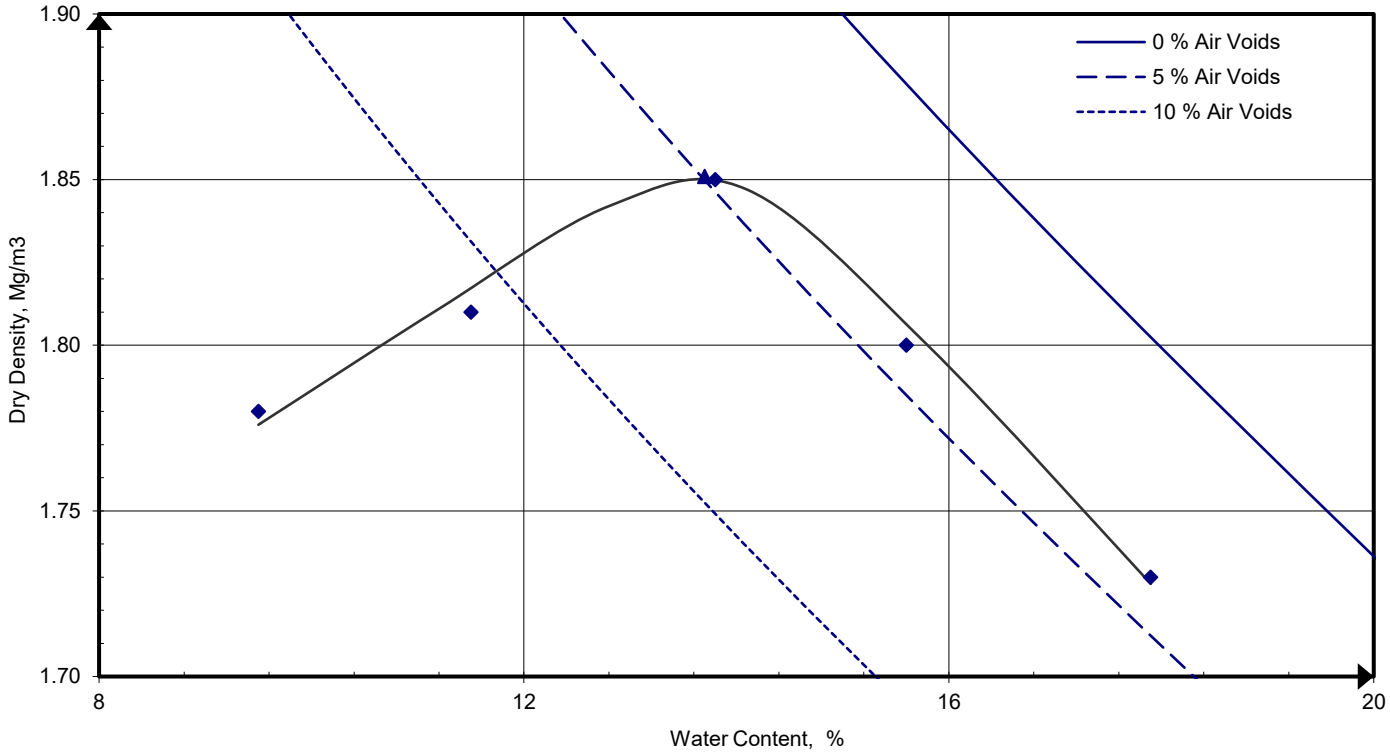
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572853	Depth Top [m]:	1.30
Hole No.:	Combine TP42@1.4+ TP40@1.3 + TP40@2.0	Depth Base [m]:	2.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	9.5	11.5	13.8	15.6	17.9
Dry Density	Mg/m³	1.78	1.81	1.85	1.80	1.73

Grading Zone	1
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.66
As received Water Content	%	7.3
Maximum Dry Density	Mg/m³	**1.85**

Optimum Water Content	%	**14**

BS 1377-2:2022, cl 11.5

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 601.2

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

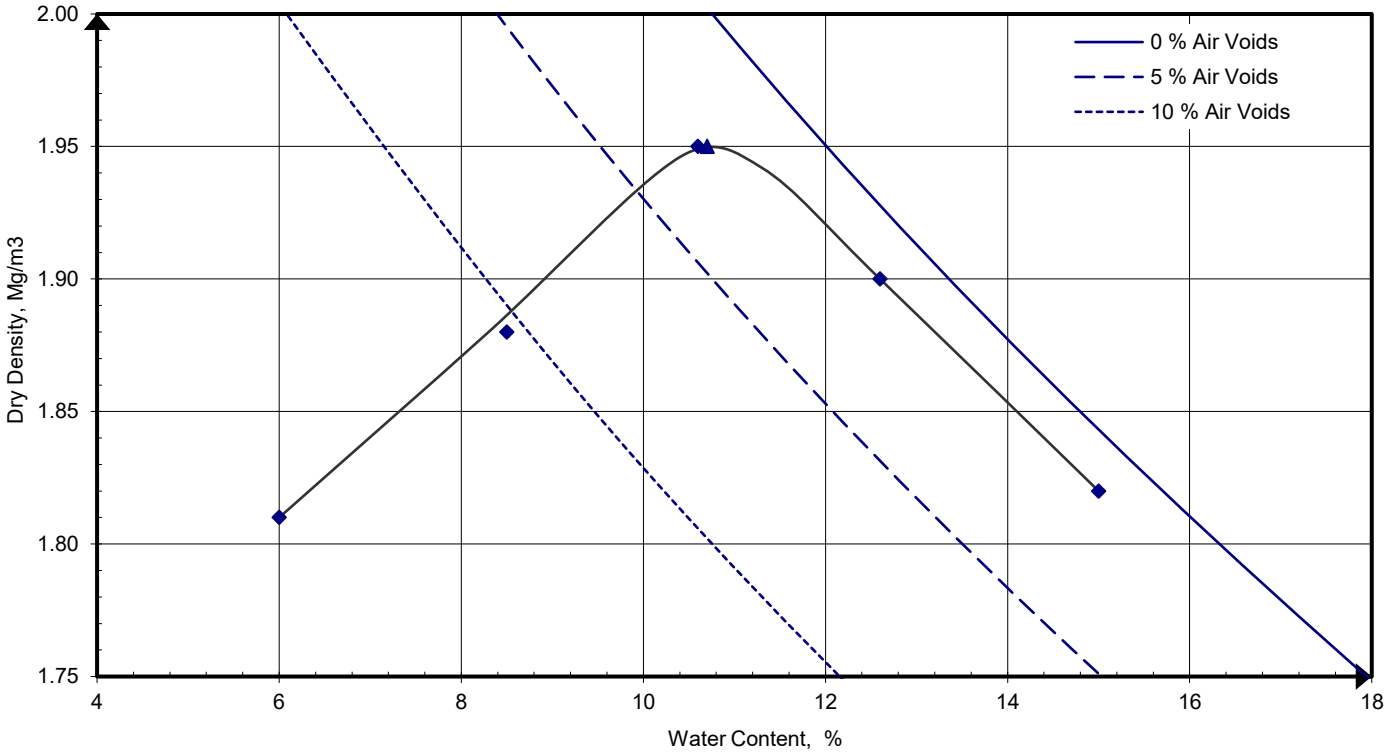
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	02/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572854	Depth Top [m]:	0.45
Hole No.:	TP45 2	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown very clayey SAND		
Sample Preparation:	Sample was whole tested and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.0	8.5	10.6	12.6	15.0
Dry Density	Mg/m³	1.81	1.88	1.95	1.90	1.82

Grading Zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	2
Particle Density - Assumed	Mg/m³	2.55
As received Water Content	%	10.6
Maximum Dry Density	Mg/m³	**1.95**

Optimum Water Content	%	**11**

BS 1377-2:2022, cl 11.5

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 601.2

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

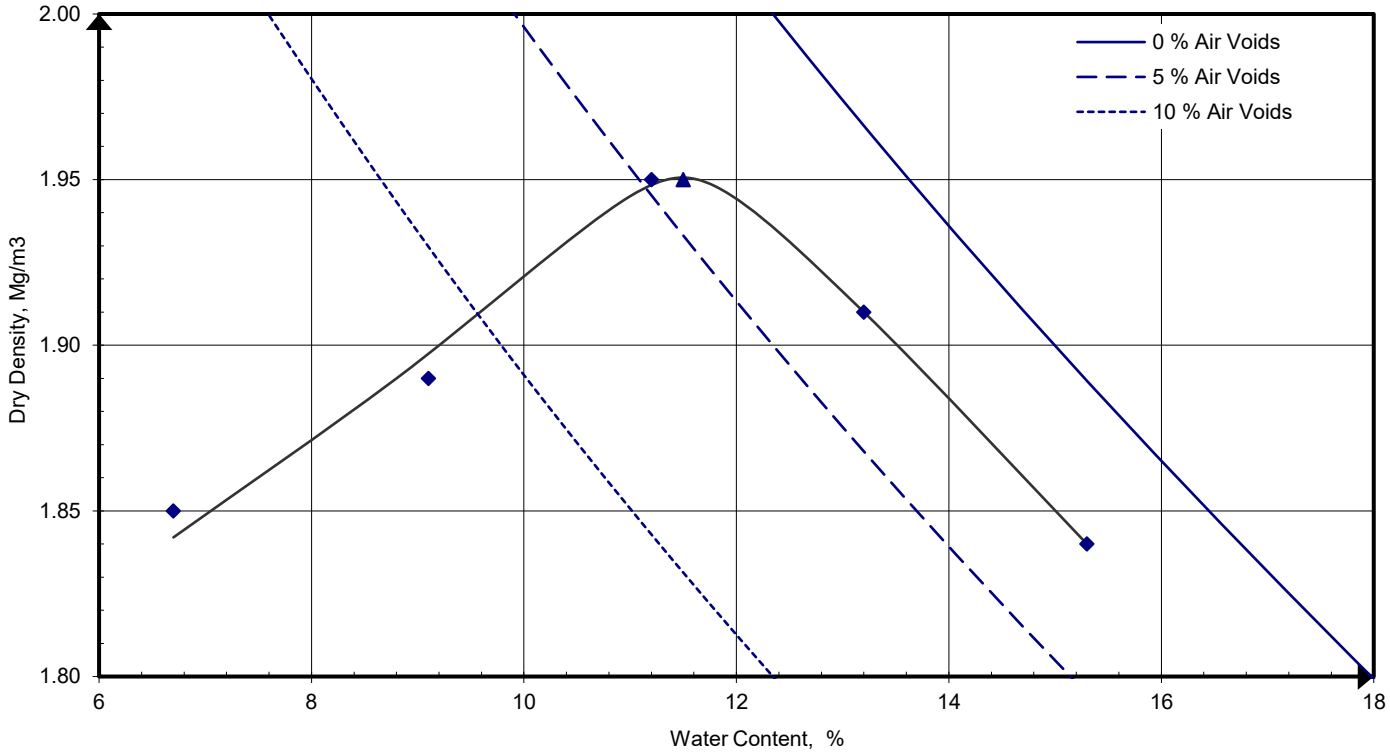
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572855	Depth Top [m]:	2.10
Hole No.:	TP45 4	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown gravelly clayey SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	6.7	9.1	11.2	13.2	15.3
Dry Density	Mg/m³	1.85	1.89	1.95	1.91	1.84

Grading Zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	2
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.66
As received Water Content	%	6.7
Maximum Dry Density	Mg/m³	**1.95**

Optimum Water Content	%	**12**

BS 1377-2:2022, cl 11.5

Remarks:

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Katarzyna Koziel
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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

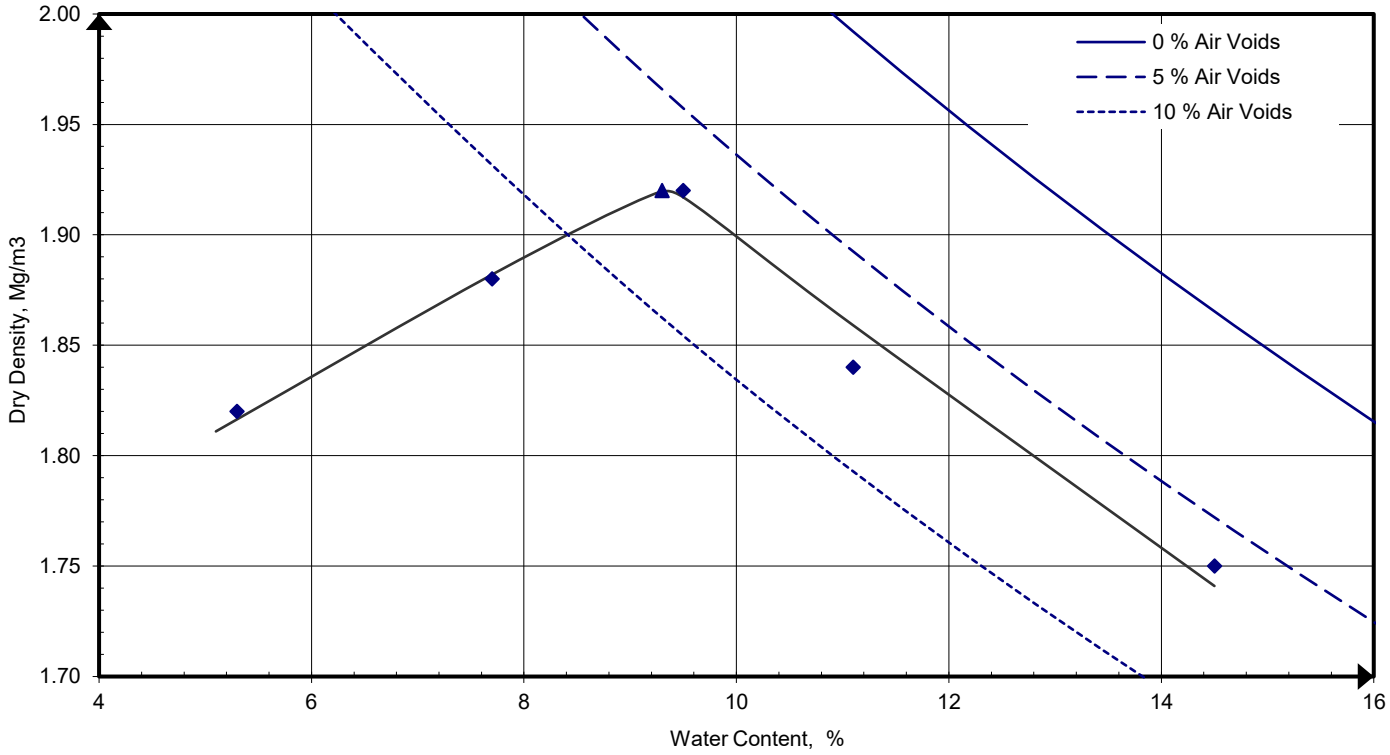
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	02/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572857	Depth Top [m]:	0.90
Hole No.:	TP43 3	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	5.3	7.7	9.5	11.1	14.5
Dry Density	Mg/m³	1.82	1.88	1.92	1.84	1.75

Grading Zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	4
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.56
As received Water Content	%	7.7
Maximum Dry Density	Mg/m³	**1.92**

Optimum Water Content	%	**9.3**

BS 1377-2:2022, cl 11.5

Remarks:

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Signed: Katarzyna Koziel

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Date Reported: 11/07/2025

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

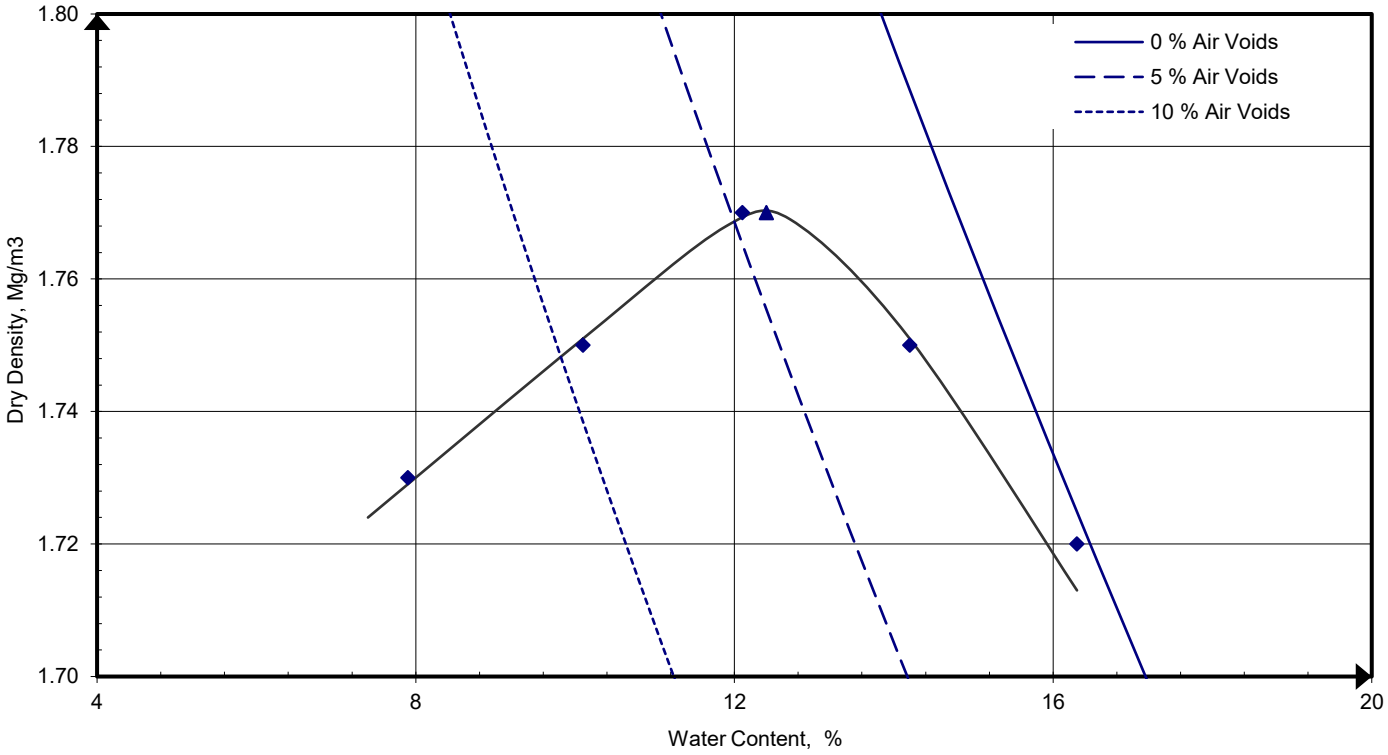
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	01/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572858	Depth Top [m]:	2.40
Hole No.:	TP43 5	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown gravelly SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	7.9	10.1	12.1	14.2	16.3
Dry Density	Mg/m³	1.73	1.75	1.77	1.75	1.72

Grading Zone	X
Mould Type	CBR
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	18
Material Retained on 20.0 mm Sieve	%	34
Particle Density - Assumed	Mg/m³	2.40
As received Water Content	%	7.9
Maximum Dry Density	Mg/m³	**1.77**

Optimum Water Content	%	**12**

Notes: BS 1377-2:2022, CL 11.6

Remarks: Zone X - test carried out with clients consent.

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Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

GF 601.2

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TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

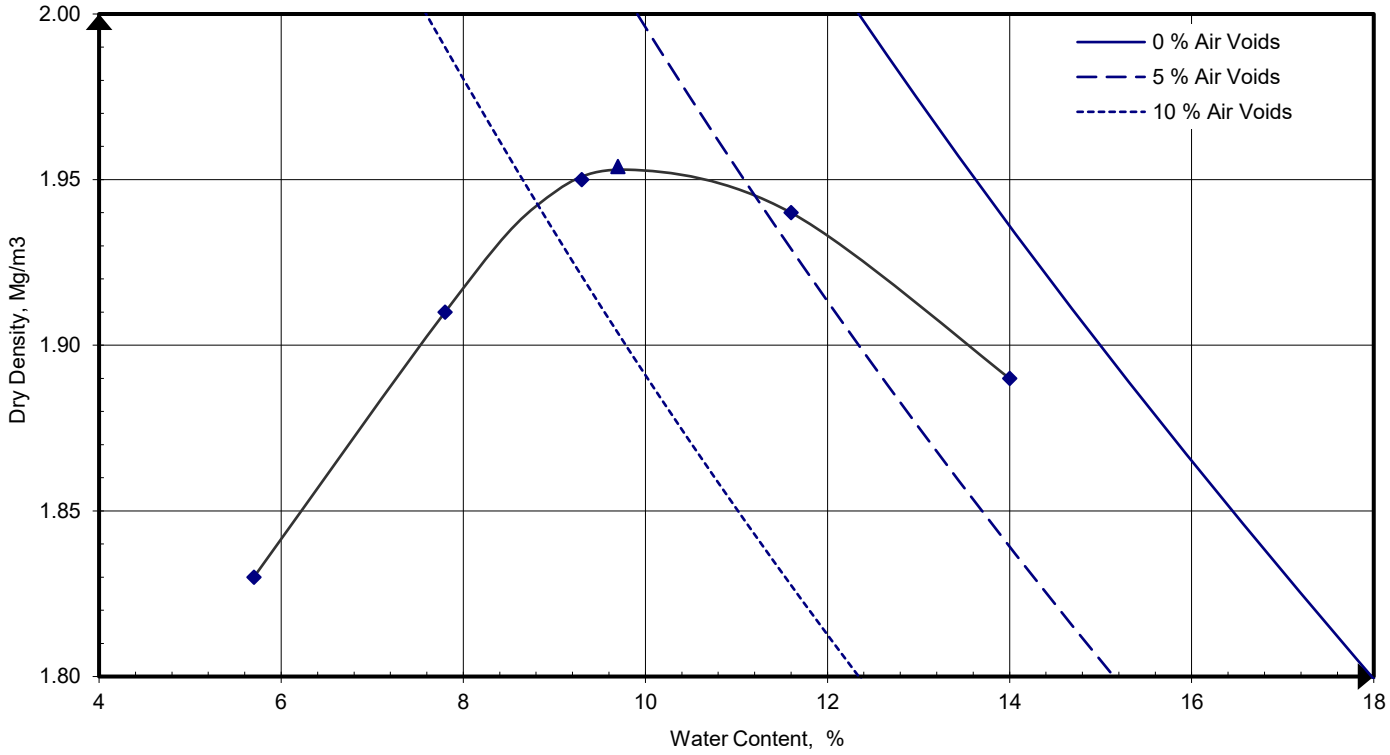
Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	03/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572859	Depth Top [m]:	0.70
Hole No.:	TP44 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly clayey SAND		
Sample Preparation:	Sample was whole tested and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	5.7	7.8	9.3	11.6	14.0
Dry Density	Mg/m³	1.83	1.91	1.95	1.94	1.89

Grading Zone	2
Mould Type	1 Litre
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	2
Particle Density - Measured using gas jar (BS 1377-2: 2022 Clause 9.2)	Mg/m³	2.66
As received Water Content	%	11.6
Maximum Dry Density	Mg/m³	**1.95**

Optimum Water Content	%	**9.7**

BS 1377-2:2022, cl 11.5

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 601.2

TEST CERTIFICATE

DETERMINATION OF DRY DENSITY/WATER CONTENT RELATIONSHIP METHOD USING 4.5 KG RAMMER

Tested in Accordance with: BS 1377-2:2022, CL 11

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

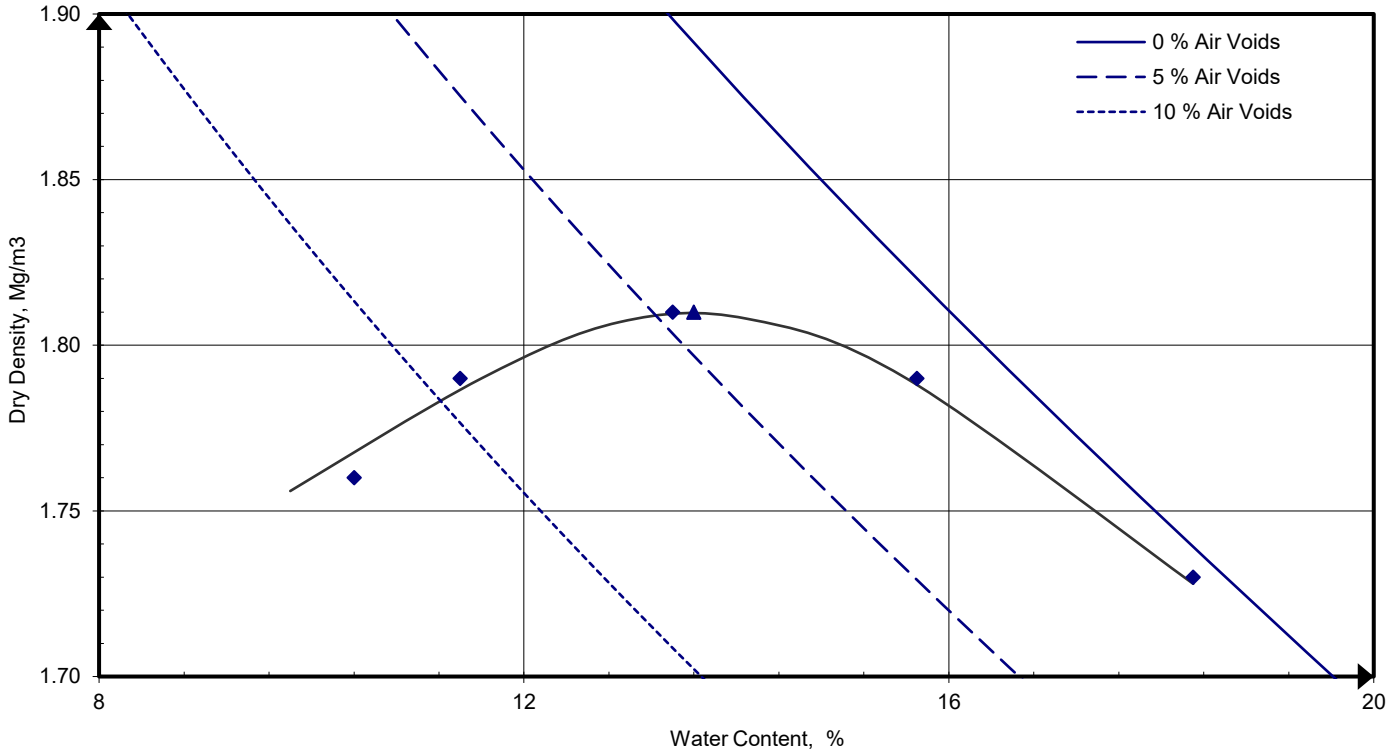
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	07/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	572860	Depth Top [m]:	1.80
Hole No.:	TP44 3	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown very gravelly SAND		
Sample Preparation:	Sample was quartered and broken down by hand. Material used was natural.		



Compaction Point No.		1	2	3	4	5
Water Content	%	10.4	11.4	13.4	15.7	18.3
Dry Density	Mg/m³	1.76	1.79	1.81	1.79	1.73

Grading Zone	X
Mould Type	CBR
Samples Used	Single sample tested

Material Retained on 37.5 mm Sieve	%	37
Material Retained on 20.0 mm Sieve	%	53
Particle Density - Assumed	Mg/m³	2.55
As received Water Content	%	8.2
Maximum Dry Density	Mg/m³	**1.81**

Optimum Water Content	%	**14**

Notes: BS 1377-2:2022, CL 11.6

Remarks: Zone X - test carried out with clients consent.

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 601.2

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

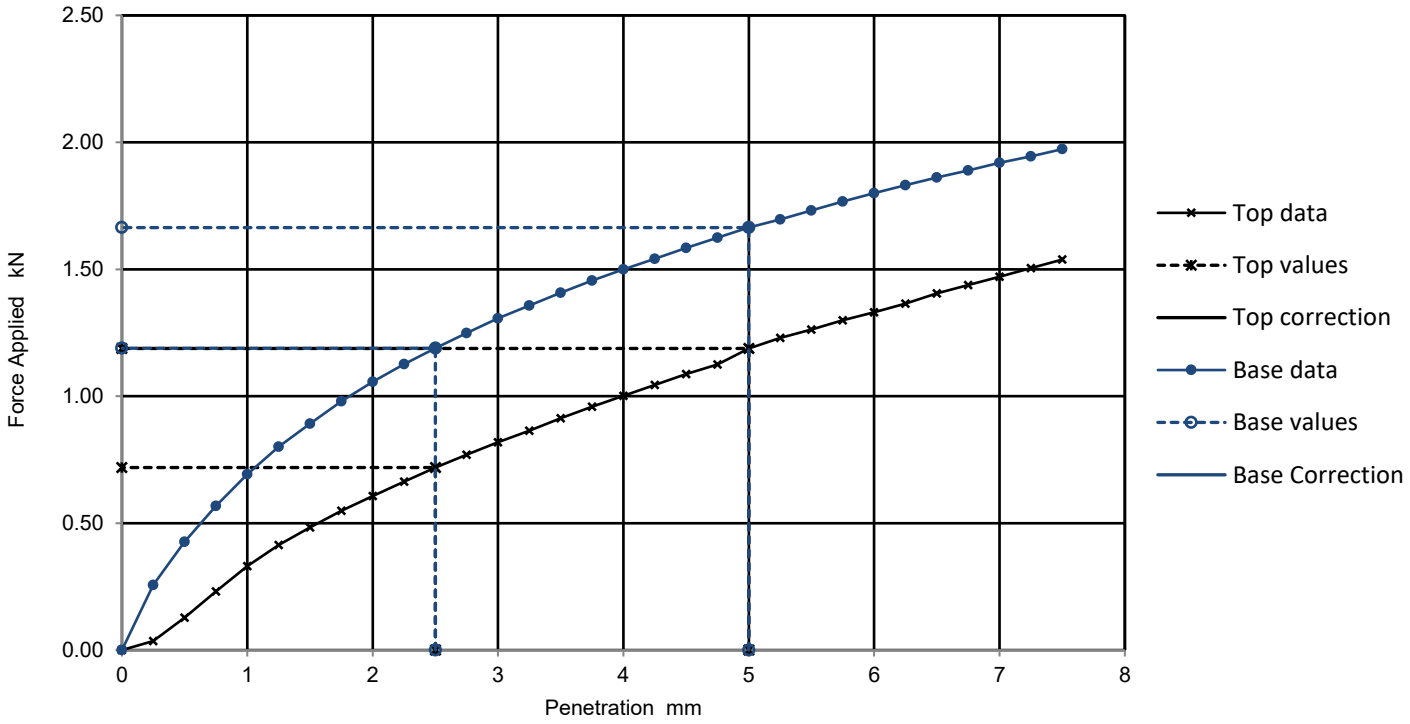
Laboratory Reference:	570877	Depth Top [m]:	0.40
Hole No.:	Combine TP05 + TP07	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown sandy CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	0 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.14	Mg/m3	Surcharge applied	8 kg
	Dry density	1.86	Mg/m3		4.8 kPa
	Water content	15	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	5.4	5.9	5.9		15
BASE	No	9	8.3	9		15

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 593.1

4041

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

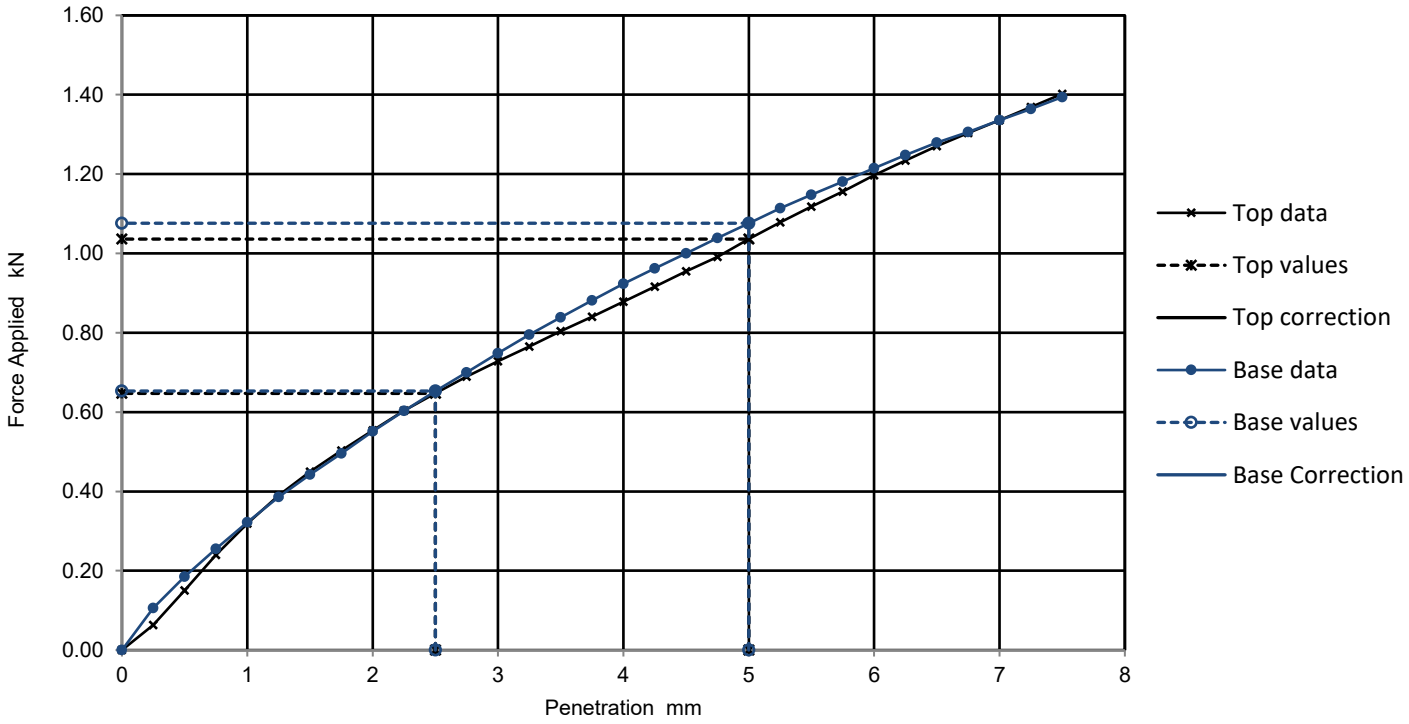
Laboratory Reference:	570877	Depth Top [m]:	0.40
Hole No.:	Combine TP05 + TP07	Depth Base [m]:	0.80
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown sandy CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 4.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	0 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.17	Mg/m3	Surcharge applied	8 kg
	Dry density	1.89	Mg/m3		4.8 kPa
	Water content	15	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	4.9	5.2	5.2	5.3	15
BASE	No	4.9	5.4	5.4		15

Remarks:

Test/ Specimen specific remarks:

Signed:

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Date Reported: 11/07/2025

GF 593.1

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	14/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

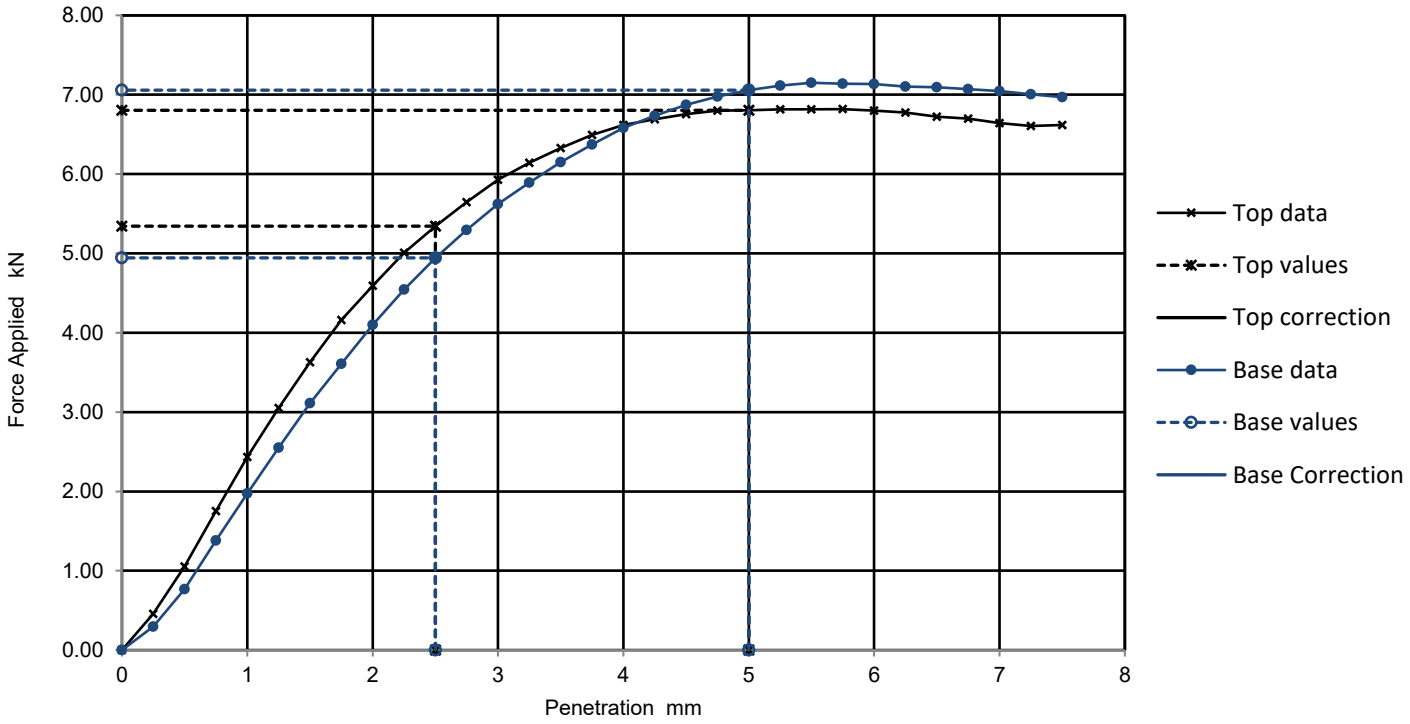
Test Results:

Laboratory Reference:	570819	Depth Top [m]:	5.00
Hole No.:	RO01	Depth Base [m]:	8.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SAND		

Specimen Preparation:

Condition	Remoulded			Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer			Period of soaking	days
				Time to surface	days
				Amount of swell recorded	mm
Material retained on 20mm sieve removed		8	%	Dry density after soaking	Mg/m3
Initial Specimen details	Bulk density	2.04	Mg/m3	Surcharge applied	8 kg
	Dry density	1.91	Mg/m3		4.9 kPa
	Water content	6.8	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	40	34	40	39	6.9
BASE	No	37	35	37		6.7

Remarks:

Test/ Specimen specific remarks: Sample heaved during the test

Signed:

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Date Reported: 11/07/2025

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DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	14/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

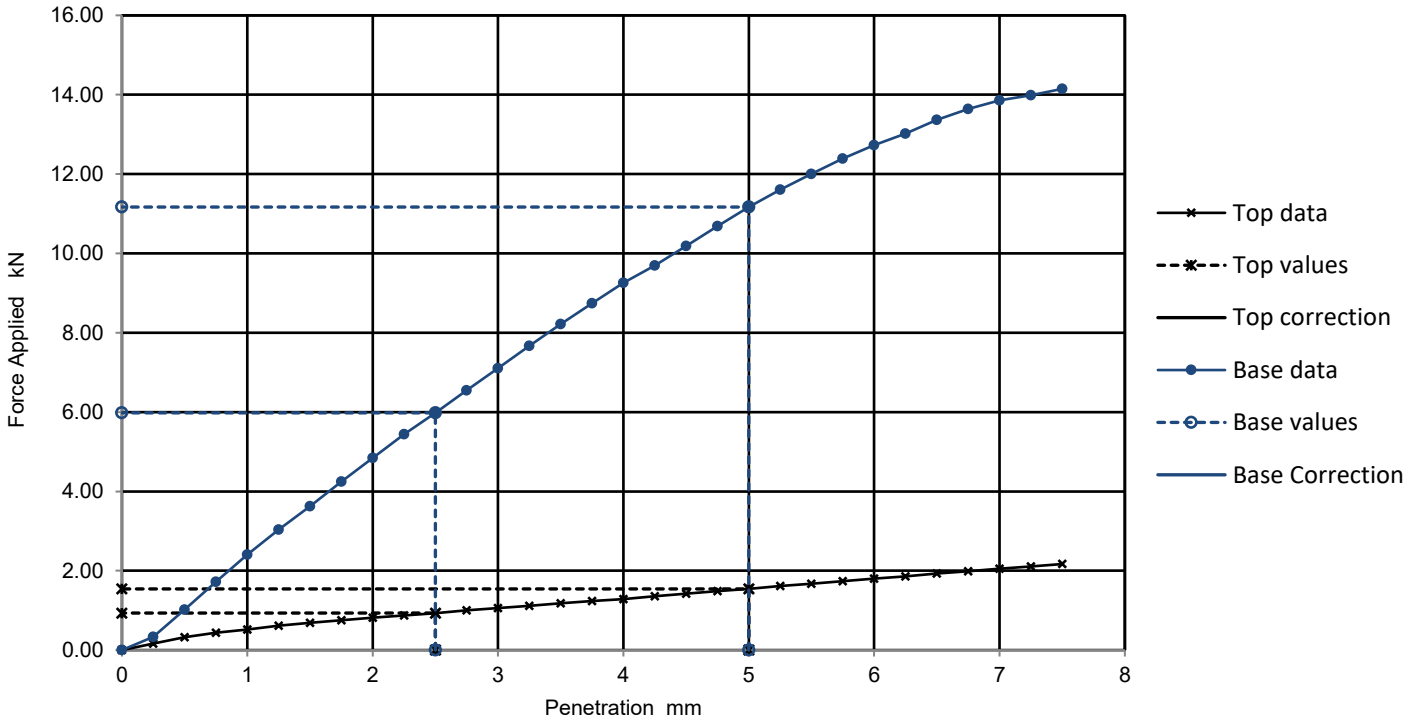
Laboratory Reference:	570819	Depth Top [m]:	5.00
Hole No.:	RO01	Depth Base [m]:	8.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SAND		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 4.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	3 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.03	Mg/m3	Surcharge applied	8 kg
	Dry density	1.92	Mg/m3		4.9 kPa
	Water content	5.7	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	7.1	7.7	7.7		5.8
BASE	No	45	56	56		5.8

Remarks:

Test/ Specimen specific remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 593.1

4041

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

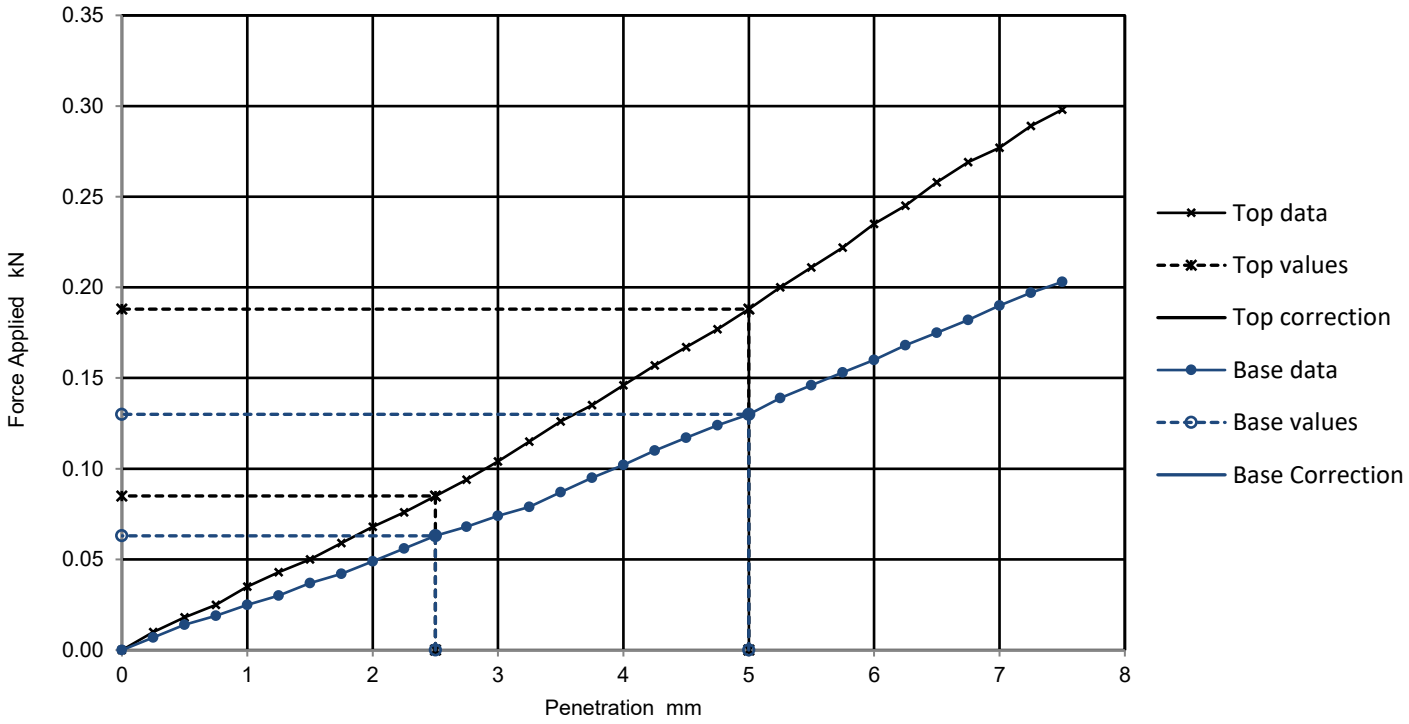
Laboratory Reference:	570772	Depth Top [m]:	0.80
Hole No.:	TP11	Depth Base [m]:	0.90
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown slightly gravelly sandy silty CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	0 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.13	Mg/m3	Surcharge applied	8 kg
	Dry density	1.85	Mg/m3		4.8 kPa
	Water content	15	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Water Content %
TOP	No	0.64	0.94	0.94		14
BASE	No	0.48	0.65	0.65		15

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	07/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

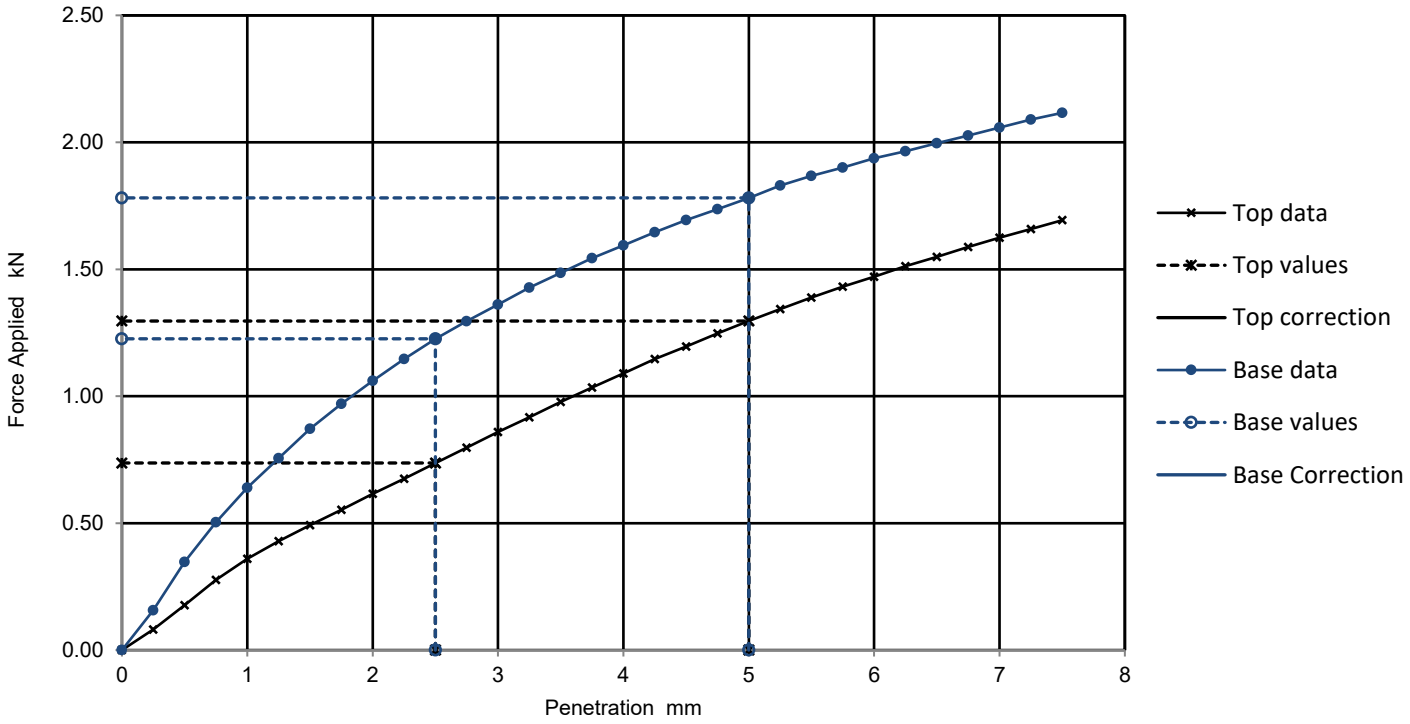
Test Results:

Laboratory Reference:	570776	Depth Top [m]:	1.00
Hole No.:	TP15	Depth Base [m]:	1.30
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown slightly gravelly slightly sandy silty CLAY		

Specimen Preparation:

Condition	Remoulded			Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer			Period of soaking	days
				Time to surface	days
				Amount of swell recorded	mm
Material retained on 20mm sieve removed		0	%	Dry density after soaking	Mg/m3
Initial Specimen details	Bulk density	2.15	Mg/m3	Surcharge applied	8 kg
	Dry density	1.87	Mg/m3		4.8 kPa
	Water content	15	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	5.6	6.5	6.5		14
BASE	No	9.3	8.9	9.3		15

Remarks:

Test/ Specimen specific remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	28/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	01/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

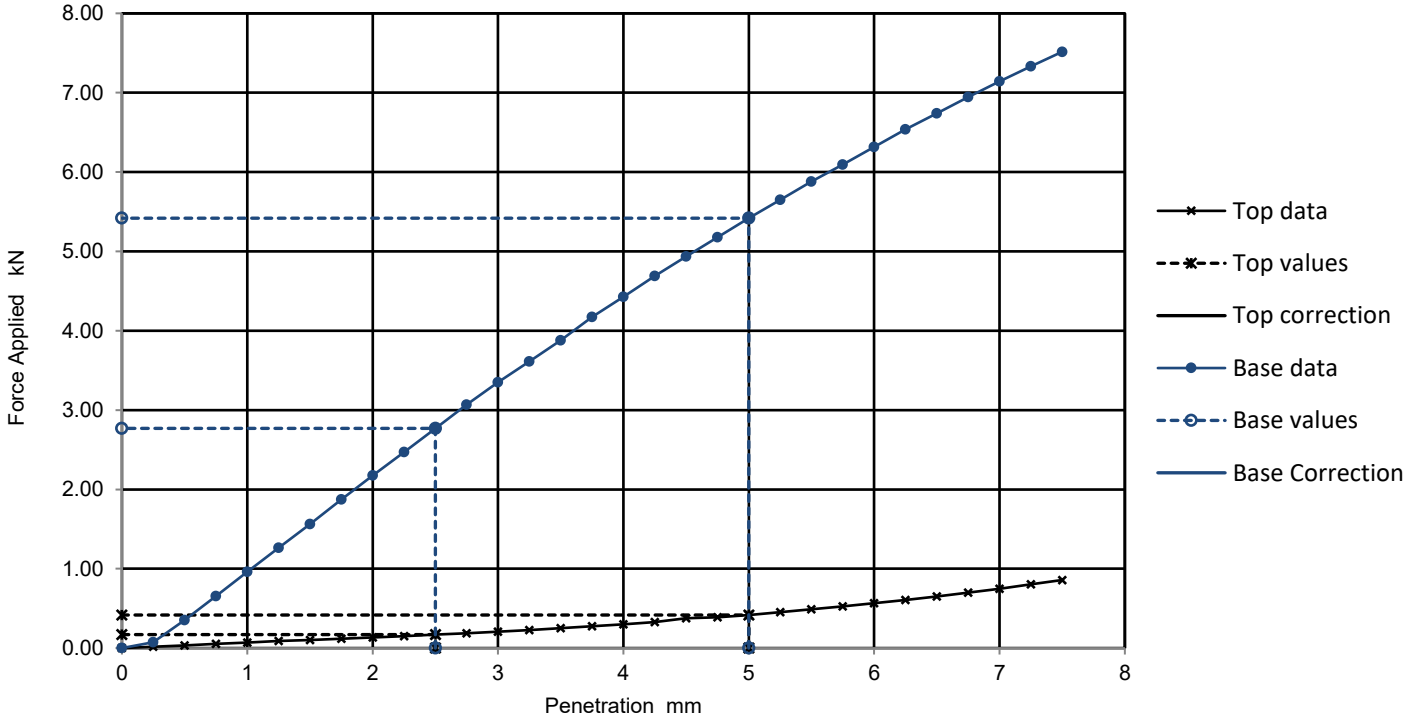
Test Results:

Laboratory Reference:	570768	Depth Top [m]:	1.40
Hole No.:	TP17	Depth Base [m]:	1.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown clayey SAND		

Specimen Preparation:

Condition	Remoulded			Soaking details	Not soaked
Details	Recompacted with specified standard effort using 4.5kg rammer			Period of soaking	days
				Time to surface	days
				Amount of swell recorded	mm
Material retained on 20mm sieve removed		0	%	Dry density after soaking	Mg/m3
Initial Specimen details	Bulk density	1.84	Mg/m3	Surcharge applied	8 kg
	Dry density	1.68	Mg/m3		4.8 kPa
	Water content	9.7	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Water Content %
TOP	No	1.3	2.1	2.1		9.6
BASE	No	21	27	27		9.7

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
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Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	29/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

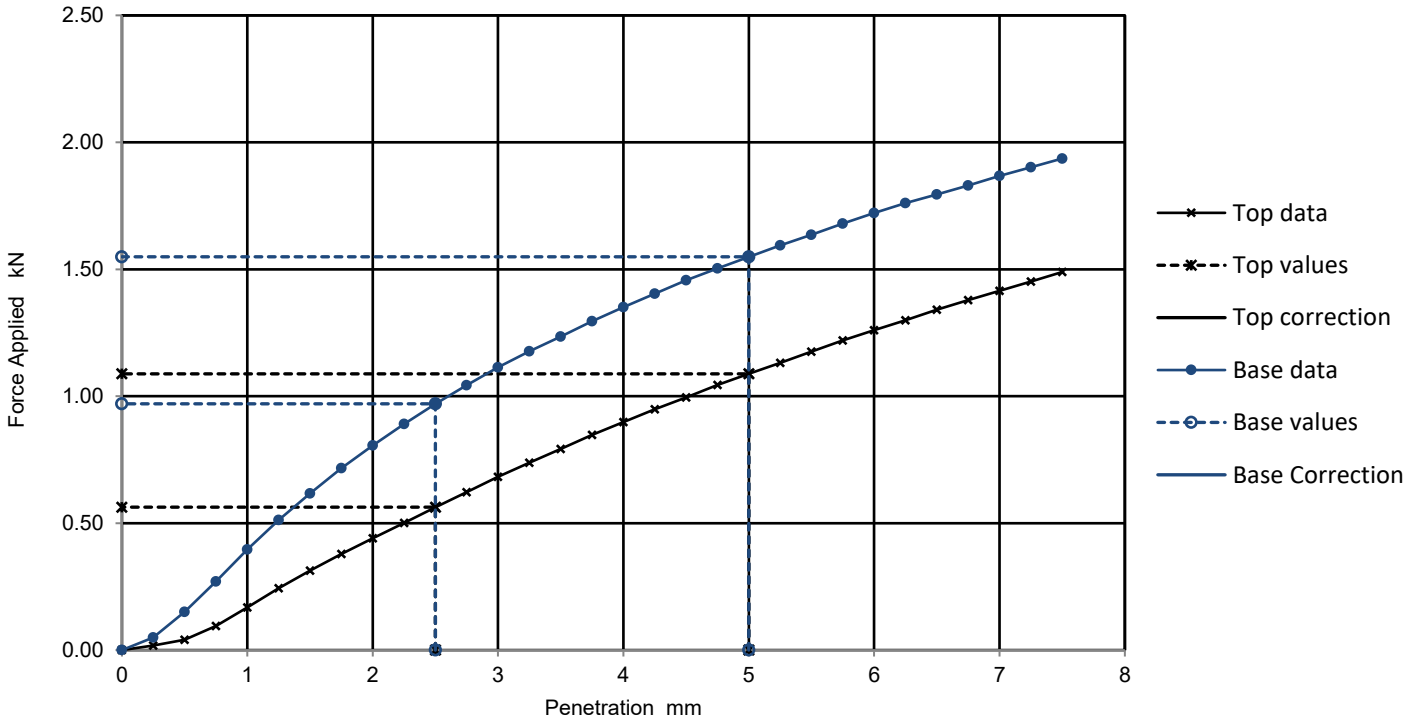
Laboratory Reference:	570787	Depth Top [m]:	0.60
Hole No.:	TP23	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Reddish brown slightly gravelly very sandy CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	1 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.15	Mg/m3	Surcharge applied	8 kg
	Dry density	1.87	Mg/m3		4.8 kPa
	Water content	15	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	4.3	5.4	5.4		14
BASE	No	7.3	7.7	7.7		14

Remarks:

Test/ Specimen specific remarks:

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Katarzyna Koziel
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for and on behalf of i2 Analytical Ltd

Date Reported: 11/07/2025

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i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	02/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

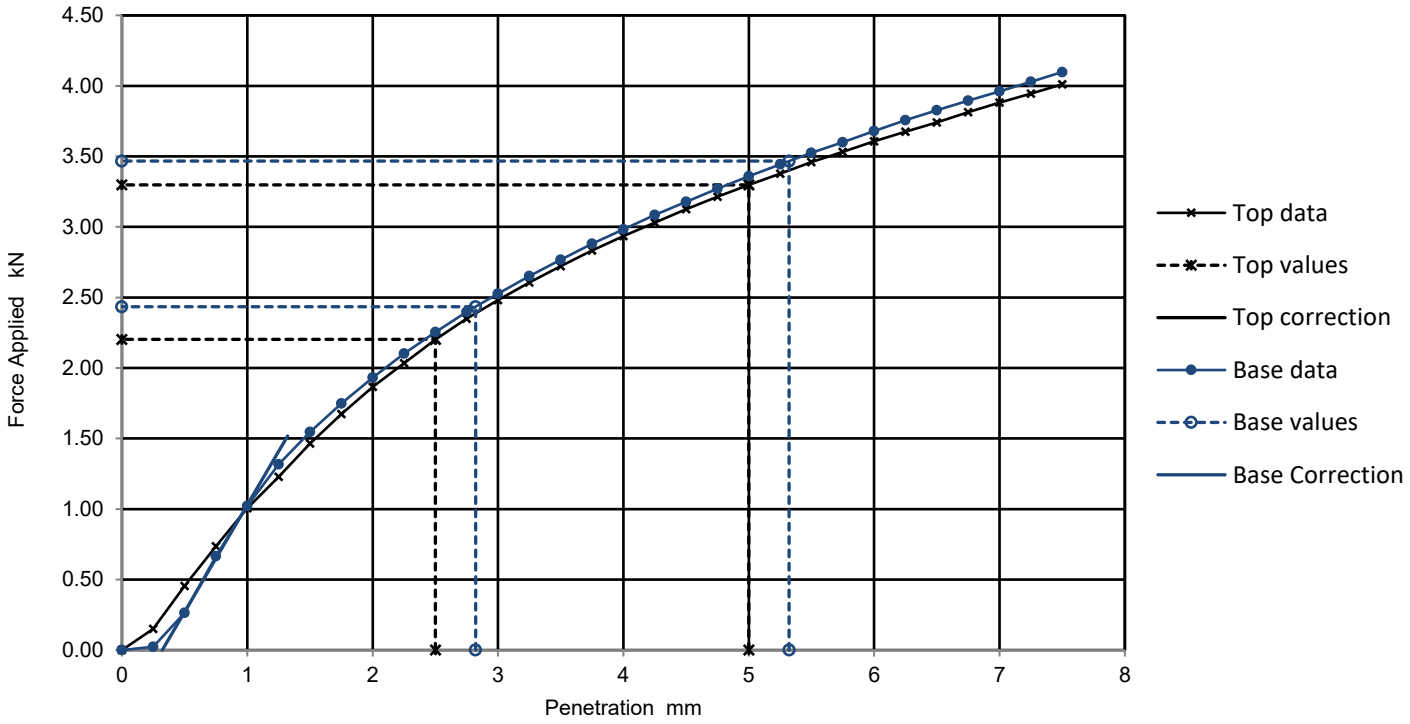
Laboratory Reference:	570813	Depth Top [m]:	0.40
Hole No.:	TP35	Depth Base [m]:	0.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy silty CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	0 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.09	Mg/m3	Surcharge applied	8 kg
	Dry density	1.83	Mg/m3		4.8 kPa
	Water content	14	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	17	16	17	18	14
BASE	Yes	18	17	18		14

Remarks:

Test/ Specimen specific remarks:

Signed:

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Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	02/05/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

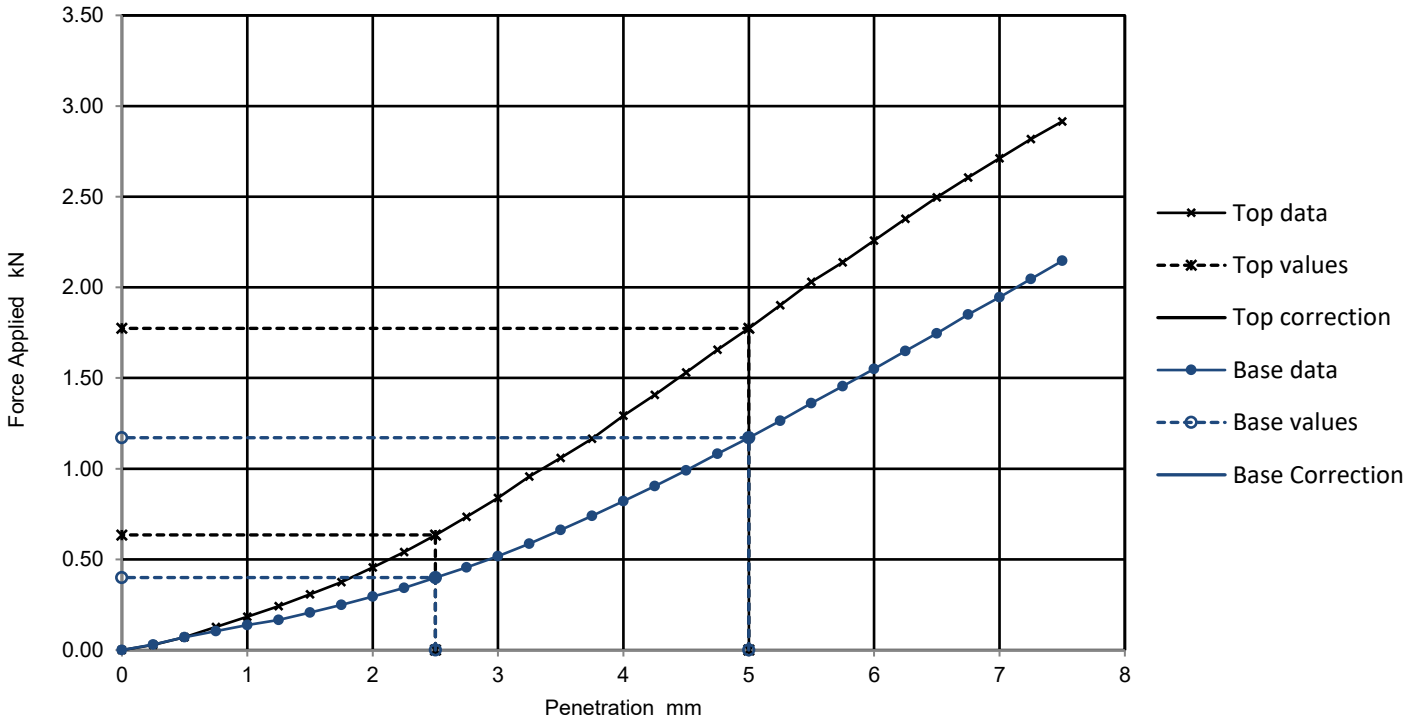
Test Results:

Laboratory Reference:	570809	Depth Top [m]:	0.50
Hole No.:	TP37	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown slightly gravelly clayey SAND		

Specimen Preparation:

Condition	Remoulded			Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer			Period of soaking	days
				Time to surface	days
				Amount of swell recorded	mm
Material retained on 20mm sieve removed		1	%	Dry density after soaking	Mg/m3
Initial Specimen details	Bulk density	1.76	Mg/m3	Surcharge applied	8 kg
	Dry density	1.64	Mg/m3		4.8 kPa
	Water content	7.2	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Water Content %
TOP	No	4.8	8.9	8.9		7.0
BASE	No	3	5.9	5.9		6.9

Remarks:

Test/ Specimen specific remarks:

Signed:

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Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

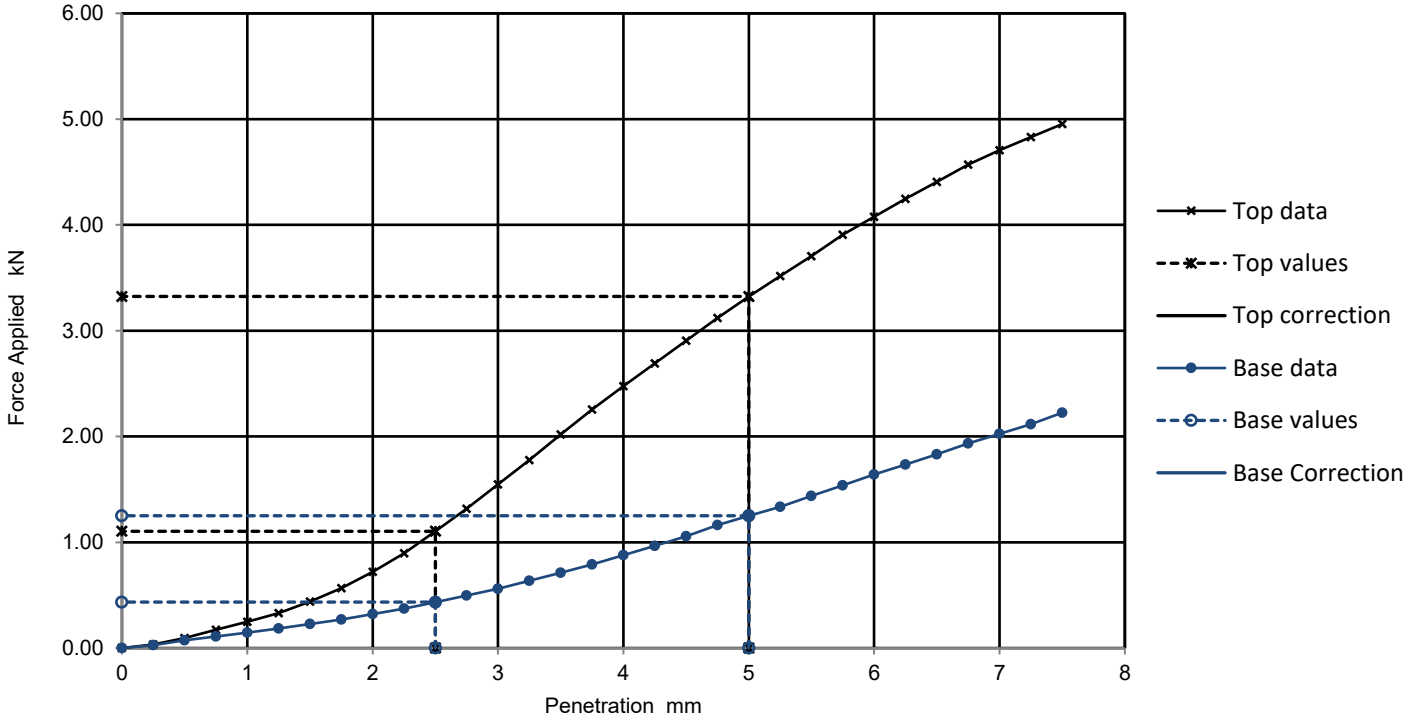
Laboratory Reference:	572850	Depth Top [m]:	2.00
Hole No.:	TP41 2	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Orangish brown slightly gravelly clayey SAND		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	1 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.74	Mg/m3	Surcharge applied	8 kg
	Dry density	1.62	Mg/m3		4.8 kPa
	Water content	7.4	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	8.4	17	17		7.4
BASE	No	3.3	6.3	6.3		7.1

Remarks:

Test/ Specimen specific remarks:

Signed:

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Unit 8 Harrowden Road
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Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	07/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

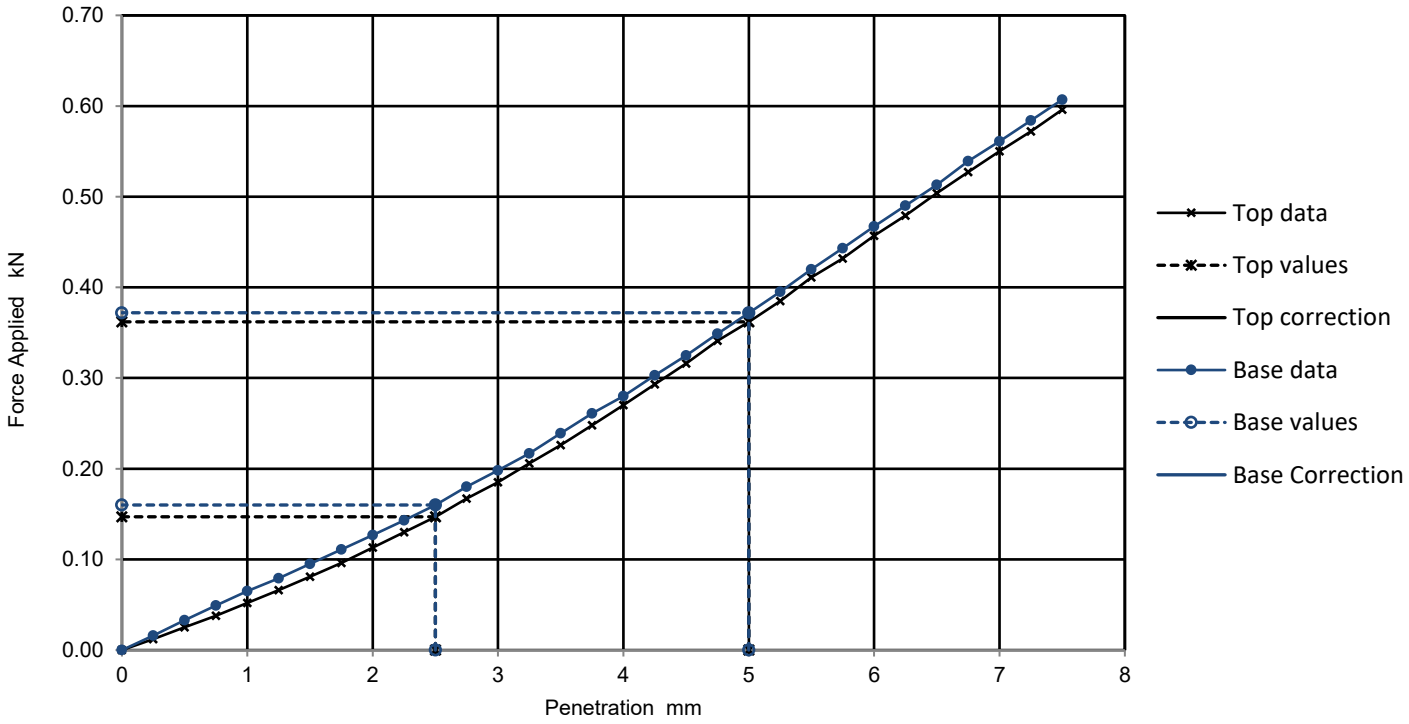
Laboratory Reference:	572852	Depth Top [m]:	0.80
Hole No.:	TP42 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown sandy CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	1 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.17	Mg/m3	Surcharge applied	8 kg
	Dry density	1.92	Mg/m3		4.8 kPa
	Water content	13	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	1.1	1.8	1.8	1.8	13
BASE	No	1.2	1.9	1.9		13

Remarks:

Test/ Specimen specific remarks:

Signed:

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Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

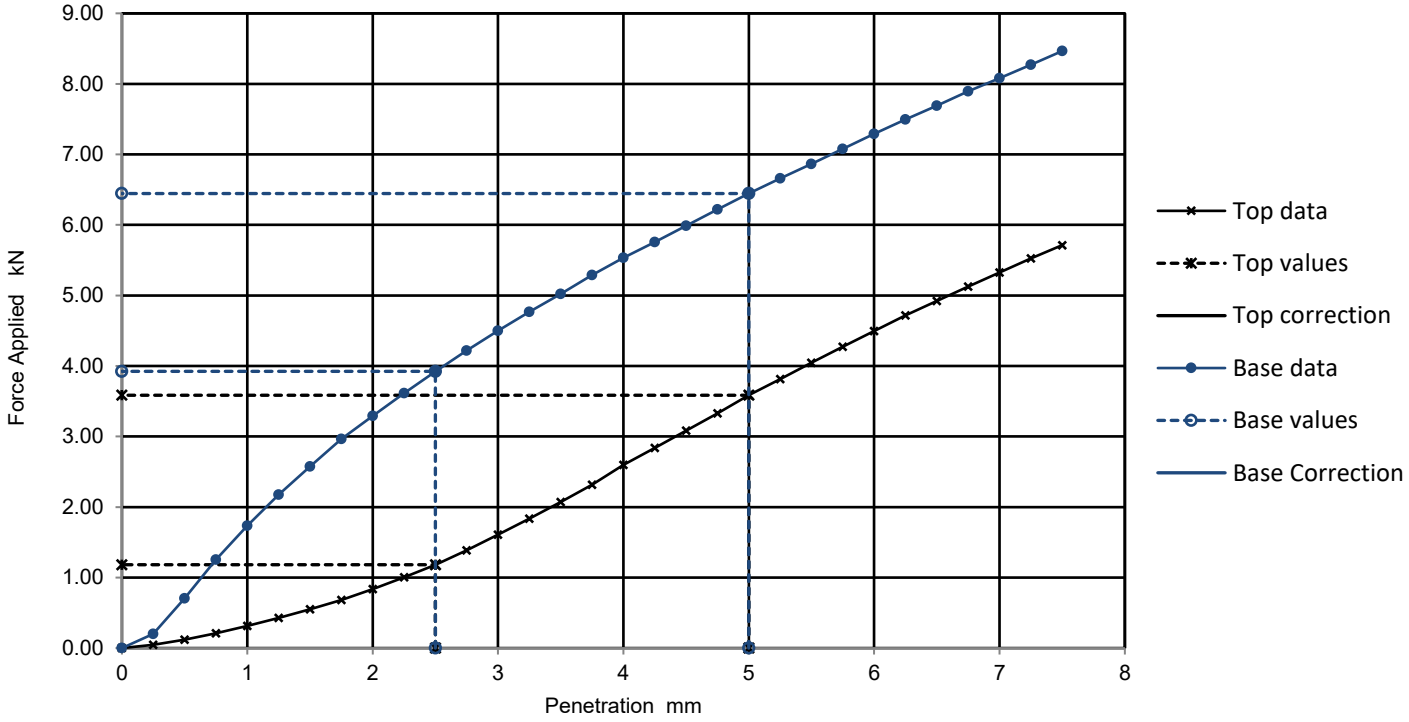
Laboratory Reference:	572856	Depth Top [m]:	0.40
Hole No.:	TP43 2	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SAND		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	8 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.89	Mg/m3	Surcharge applied	8 kg
	Dry density	1.72	Mg/m3		4.8 kPa
	Water content	10	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	9	18	18		9.9
BASE	No	30	32	32		9.6

Remarks:

Test/ Specimen specific remarks:

Signed:

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Geotechnical Reporting Team Leader
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Date Reported: 11/07/2025

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TEST CERTIFICATE

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Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

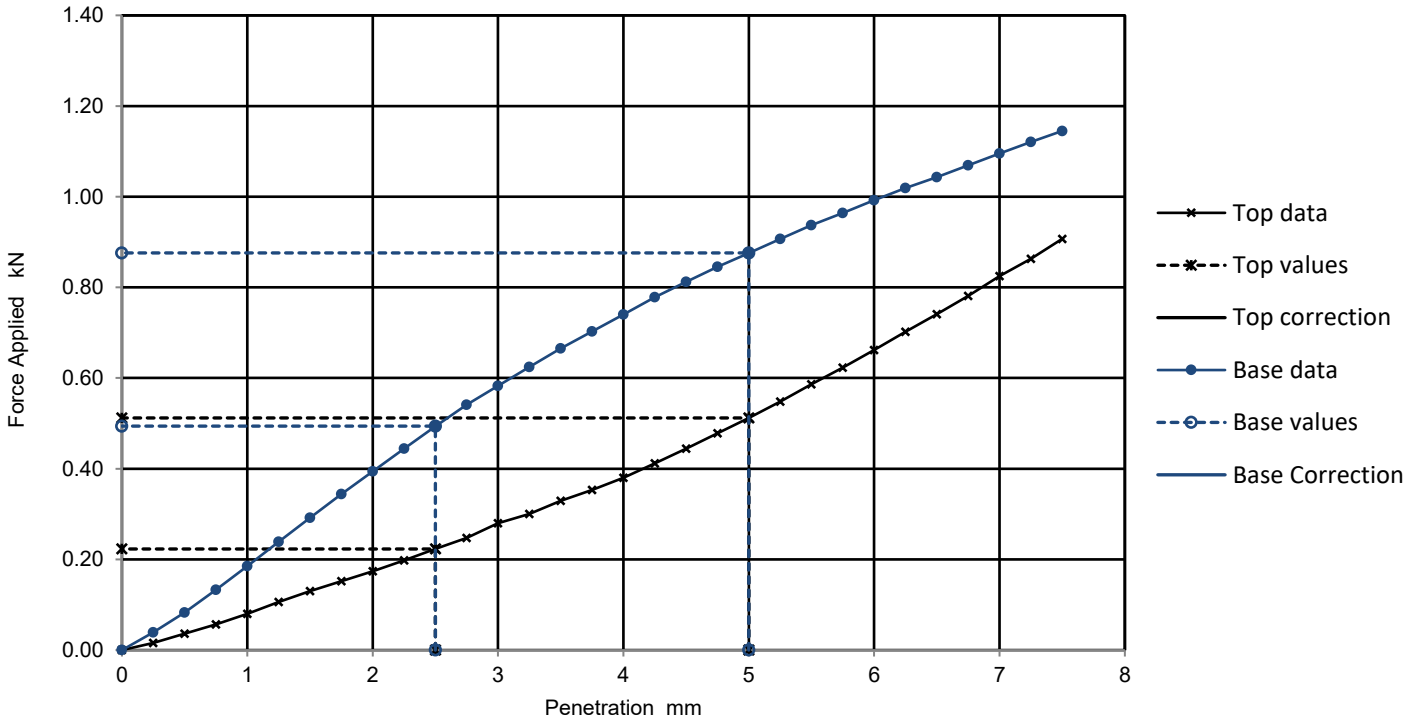
Laboratory Reference:	572845	Depth Top [m]:	0.30
Hole No.:	TP46 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Black slightly sandy CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	1 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.87	Mg/m3	Surcharge applied	8 kg
	Dry density	1.57	Mg/m3		4.8 kPa
	Water content	19	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	1.7	2.6	2.6		20
BASE	No	3.7	4.4	4.4		22

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 593.1

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

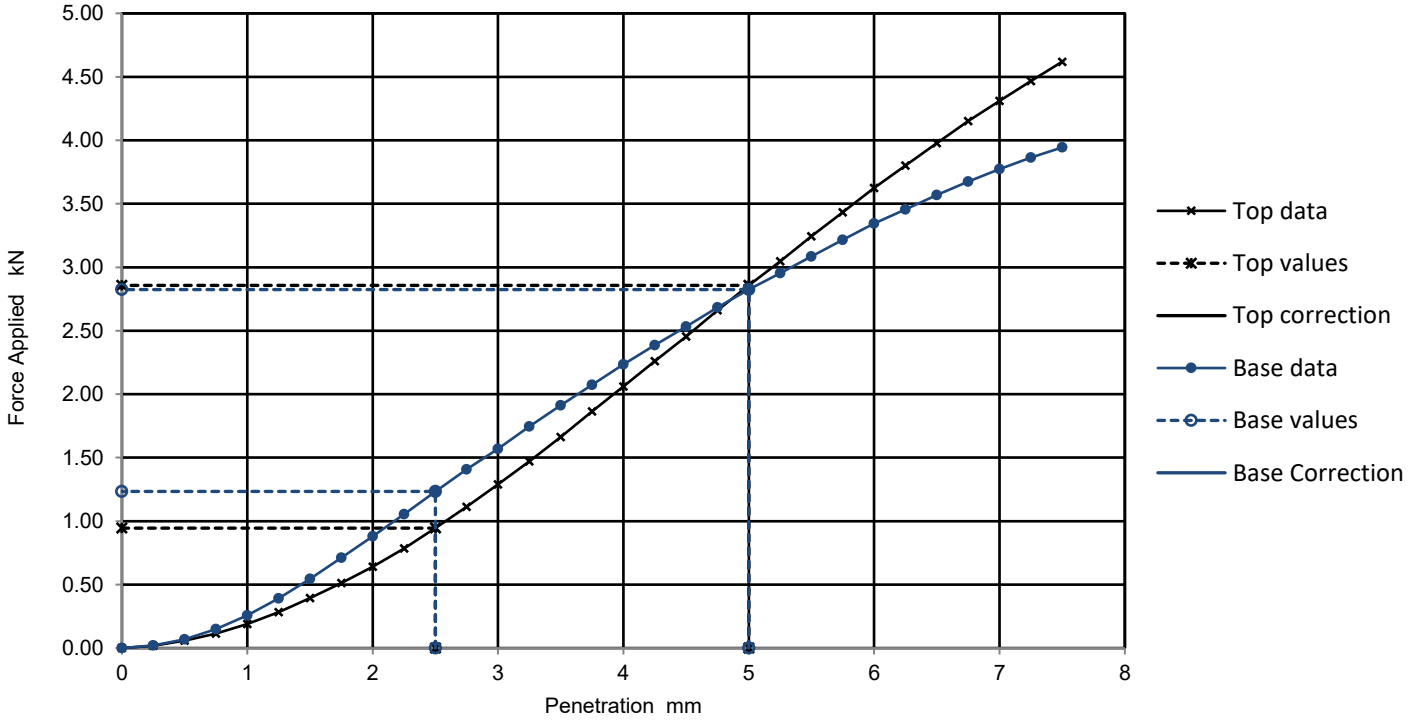
Test Results:

Laboratory Reference:	572838	Depth Top [m]:	1.00
Hole No.:	TP48 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Orangish brown gravelly SAND		

Specimen Preparation:

Condition	Remoulded			Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer			Period of soaking	days
				Time to surface	days
				Amount of swell recorded	mm
Material retained on 20mm sieve removed		0	%	Dry density after soaking	Mg/m3
Initial Specimen details	Bulk density	1.78	Mg/m3	Surcharge applied	8 kg
	Dry density	1.63	Mg/m3		4.8 kPa
	Water content	9.5	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	7.2	14	14	14	9.4
BASE	No	9.3	14	14		9.0

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
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Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	08/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

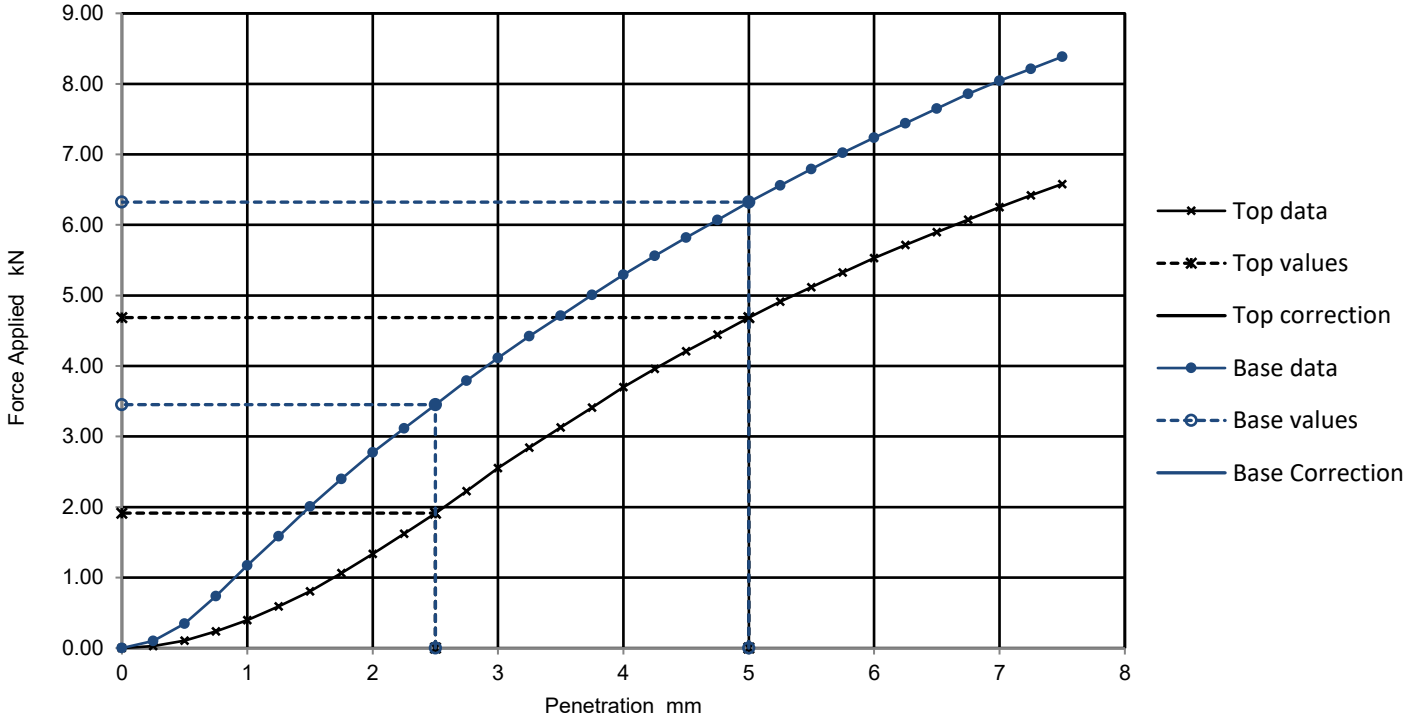
Laboratory Reference:	572840	Depth Top [m]:	0.50
Hole No.:	TP51 1	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown SAND		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	0 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.91	Mg/m3	Surcharge applied	8 kg
	Dry density	1.74	Mg/m3		4.8 kPa
	Water content	9.6	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	15	23	23		9.4
BASE	No	26	32	32		9.4

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Northampton NN4 7EB

4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-029363-1
		Date Sampled:	30/04/2025
		Date Received:	16/05/2025
Contact:	Thomas Flame	Date Tested:	10/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

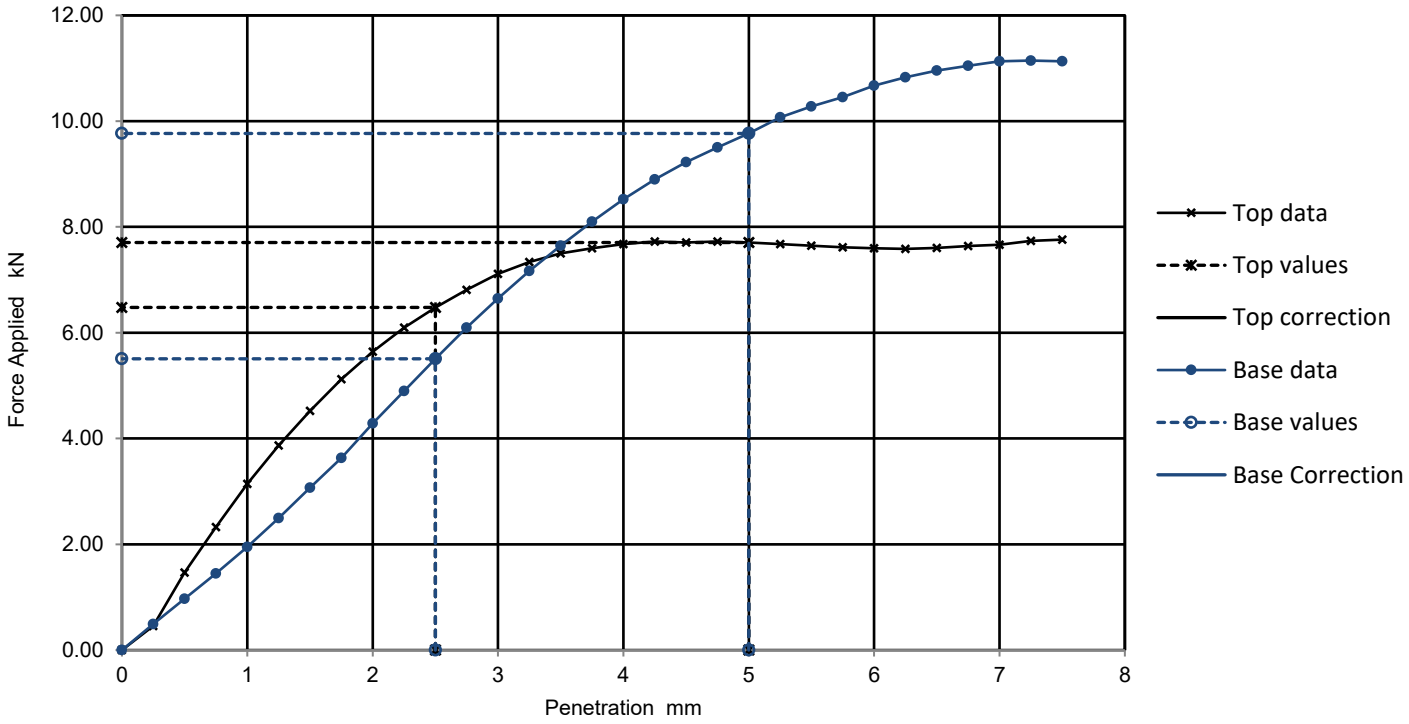
Laboratory Reference:	572841	Depth Top [m]:	1.60
Hole No.:	TP51 4	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown slightly sandy CLAY		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 4.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	17 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.85	Mg/m3	Surcharge applied	8 kg
	Dry density	1.72	Mg/m3		4.8 kPa
	Water content	7.7	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	49	39	49	49	7.2
BASE	No	42	49	49		7.1

Remarks:

Test/ Specimen specific remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 11/07/2025

GF 593.1

BWB Consulting Limited
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WD18 8YS

t: 01923 225404
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e: reception@i2analytical.com

Analytical Report Number : 25-029367

Project / Site name:	IP North	**Samples received on:**	16/05/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	05/06/2025
Your order number:	11636	**Analysis completed by:**	17/06/2025
Report Issue Number:	1	**Report issued on:**	17/06/2025
Samples Analysed:	27 soil samples		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-029367
Project / Site name: IP North

Lab Sample Number				570846	570847	570848	570849	570850
Sample Reference				DS05	DS01	DS03	TP14	TP27
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				3	1.5	2.3	0.70-0.90	1.50-1.70
Date Sampled				25/04/2025	28/04/2025	28/04/2025	28/04/2025	29/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	13	5.2	26	7.1
Total mass of sample received	kg	0.1	NONE	0.2	0.1	0.5	0.3	1.4
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	6.9	7.5	6.9	7.3	8
Total Sulphate as SO_4	%	0.005	MCERTS	0.016	0.021	0.007	0.029	0.005
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	50	110	31	72	13
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	25.1	55.1	15.6	35.9	6.46
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	-	-
Total Sulphur	mg/kg	50	MCERTS	130	90	< 50	320	< 50
Total Sulphur	%	0.005	MCERTS	0.013	0.009	< 0.005	0.032	< 0.005
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-	-	-	-	-
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	-	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 25-029367
Project / Site name: IP North

Lab Sample Number				570851	570852	570853	570854	570855
Sample Reference				TP24	TP22	TP08	TP02	TP02
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.60-0.70	0.10-0.20	0.70-0.80	0.60-0.70	1.90-2.00
Date Sampled				29/04/2025	29/04/2025	30/04/2025	30/04/2025	30/04/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	11	13	12	8.8
Total mass of sample received	kg	0.1	NONE	1.2	0.5	0.2	0.2	0.2
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8	7.5	7.2	8.2	6.6
Total Sulphate as SO_4	%	0.005	MCERTS	0.019	0.032	0.018	0.038	0.023
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	81	35	120	140	56
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	40.5	17.7	58.8	72.1	27.8
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	6.4	-
Total Sulphur	mg/kg	50	MCERTS	71	220	76	160	82
Total Sulphur	%	0.005	MCERTS	0.007	0.022	0.008	0.016	0.008
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-	-	-	< 2.0	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-	-	-	< 5.0	-
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	6.7	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	14	-

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Analytical Report Number: 25-029367
Project / Site name: IP North

Lab Sample Number				570856	570857	570858	570859	570860
Sample Reference				TP03	TP72	TP01	TP34	TP32
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40-0.50	0.10-0.20	0.50-0.60	0.60-0.70	0.60-0.70
Date Sampled				30/04/2025	30/04/2025	30/04/2025	01/05/2025	01/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	15	14	10	15
Total mass of sample received	kg	0.1	NONE	1.2	1	0.2	1.3	1.4
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.6	7.6	8.2	7.7	7.4
Total Sulphate as SO_4	%	0.005	MCERTS	0.017	0.033	0.016	0.01	0.018
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	78	42	40	17	83
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	39	21.1	19.7	8.61	41.5
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	-	-
Total Sulphur	mg/kg	50	MCERTS	72	220	53	< 50	62
Total Sulphur	%	0.005	MCERTS	0.007	0.022	0.005	< 0.005	0.006
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-	-	-	-	-
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	-	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	-

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Analytical Report Number: 25-029367
Project / Site name: IP North

Lab Sample Number				570861	570862	570863	570864	570865
Sample Reference				TP28	TP38	DS14	RO07	RO04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.90-1.00	0.10-0.20	1	1	1.5
Date Sampled				01/05/2025	02/05/2025	30/04/2025	12/05/2025	13/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	40.7	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	3.2	9	7.9	5.3	10
Total mass of sample received	kg	0.1	NONE	0.6	1.1	0.1	1.5	1.2
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.2	7.6	6.5	7.6	5.5
Total Sulphate as SO_4	%	0.005	MCERTS	0.011	0.038	0.018	0.007	0.026
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	9.7	13	96	10	110
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	4.87	6.69	48	5.11	55.7
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	-	-
Total Sulphur	mg/kg	50	MCERTS	< 50	260	88	< 50	100
Total Sulphur	%	0.005	MCERTS	< 0.005	0.026	0.009	< 0.005	0.01
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-	-	-	-	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-	-	-	-	-
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	-	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	-

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Analytical Report Number: 25-029367
Project / Site name: IP North

Lab Sample Number				572874	572875	572876	572877	572878
Sample Reference				TP51	TP51	TP71	TP46	TP40
Sample Number				2	4	2	1	1
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.4	1.6	1.2	0.8	0.2
Date Sampled				07/05/2025	07/05/2025	07/05/2025	07/05/2025	08/05/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	8	6.9	11	12	13
Total mass of sample received	kg	0.1	NONE	1.2	0.2	0.4	1.2	1
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.6	8.4	5.8	7.8	7.3
Total Sulphate as SO_4	%	0.005	MCERTS	0.036	0.03	0.034	0.033	0.053
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	17	9.4	35	46	32
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	8.66	4.69	17.3	23	16.1
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	-	2.6
Total Sulphur	mg/kg	50	MCERTS	130	79	100	120	330
Total Sulphur	%	0.005	MCERTS	0.013	0.008	0.01	0.012	0.033
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-	-	-	-	38
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-	-	-	-	19
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	-	< 2.5
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-	< 5.0

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Analytical Report Number: 25-029367
Project / Site name: IP North

Lab Sample Number				572879	572880
Sample Reference				TP45	TP44
Sample Number				1	2
Water Matrix				N/A	N/A
Depth (m)				0.2	0.5
Date Sampled				08/05/2025	08/05/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	12
Total mass of sample received	kg	0.1	NONE	1.3	1.3
General Inorganics					
pH (L099)	pH Units	N/A	MCERTS	6.9	7.5
Total Sulphate as SO_4	%	0.005	MCERTS	0.052	0.012
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	31	33
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	15.7	16.7
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-
Total Sulphur	mg/kg	50	MCERTS	270	59
Total Sulphur	%	0.005	MCERTS	0.027	0.006
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-	-
Heavy Metals / Metalloids					
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-

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Analytical Report Number : 25-029367
Project / Site name: IP North

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
570846	DS05	None Supplied	3	Brown clay and sand with gravel
570847	DS01	None Supplied	1.5	Brown clay and sand with gravel
570848	DS03	None Supplied	2.3	Brown sand with gravel
570849	TP14	None Supplied	0.70-0.90	Brown clay and loam with gravel and vegetation
570850	TP27	None Supplied	1.50-1.70	Brown sand with gravel
570851	TP24	None Supplied	0.60-0.70	Brown clay and sand with gravel
570852	TP22	None Supplied	0.10-0.20	Brown loam and sand with gravel and vegetation
570853	TP08	None Supplied	0.70-0.80	Brown clay with gravel
570854	TP02	None Supplied	0.60-0.70	Brown clay and sand with gravel
570855	TP02	None Supplied	1.90-2.00	Brown sand with gravel
570856	TP03	None Supplied	0.40-0.50	Brown clay with gravel
570857	TP72	None Supplied	0.10-0.20	Brown loam and sand with gravel and vegetation
570858	TP01	None Supplied	0.50-0.60	Brown clay and sand with gravel
570859	TP34	None Supplied	0.60-0.70	Brown clay and sand with gravel
570860	TP32	None Supplied	0.60-0.70	Brown clay with gravel
570861	TP28	None Supplied	0.90-1.00	Brown sand with gravel and stones
570862	TP38	None Supplied	0.10-0.20	Brown loam and sand with gravel and vegetation
570863	DS14	None Supplied	1	Brown clay and sand with gravel
570864	RO07	None Supplied	1	Brown loam and sand with gravel and vegetation
570865	RO04	None Supplied	1.5	Brown clay with gravel
572874	TP51	2	0.4	Brown sand with gravel
572875	TP51	4	1.6	Brown sand with gravel and vegetation
572876	TP71	2	1.2	Brown clay and sand with gravel
572877	TP46	1	0.8	Brown clay with gravel
572878	TP40	1	0.2	Brown loam and sand with gravel and vegetation
572879	TP45	1	0.2	Brown loam and sand with gravel and vegetation
572880	TP44	2	0.5	Brown clay and sand with gravel

Analytical Report Number : 25-029367
Project / Site name: IP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

Analytical Report Number : 25-029367
Project / Site name: IP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DS01	N/A	S	570847	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
DS01	N/A	S	570847	c	Total Sulphur in soil	L038B	c
DS01	N/A	S	570847	c	Total sulphate (as SO4 in soil)	L038B	c
DS01	N/A	S	570847	c	pH in soil (automated)	L099-PL	c
DS03	N/A	S	570848	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
DS03	N/A	S	570848	c	Total Sulphur in soil	L038B	c
DS03	N/A	S	570848	c	Total sulphate (as SO4 in soil)	L038B	c
DS03	N/A	S	570848	c	pH in soil (automated)	L099-PL	c
DS05	N/A	S	570846	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
DS05	N/A	S	570846	c	Total Sulphur in soil	L038B	c
DS05	N/A	S	570846	c	Total sulphate (as SO4 in soil)	L038B	c
DS05	N/A	S	570846	c	pH in soil (automated)	L099-PL	c
DS14	N/A	S	570863	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
DS14	N/A	S	570863	c	Total Sulphur in soil	L038B	c
DS14	N/A	S	570863	c	Total sulphate (as SO4 in soil)	L038B	c
DS14	N/A	S	570863	c	pH in soil (automated)	L099-PL	c
RO04	N/A	S	570865	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
RO04	N/A	S	570865	c	Total Sulphur in soil	L038B	c
RO04	N/A	S	570865	c	Total sulphate (as SO4 in soil)	L038B	c
RO04	N/A	S	570865	c	pH in soil (automated)	L099-PL	c
RO07	N/A	S	570864	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
RO07	N/A	S	570864	c	Total Sulphur in soil	L038B	c
RO07	N/A	S	570864	c	Total sulphate (as SO4 in soil)	L038B	c
RO07	N/A	S	570864	c	pH in soil (automated)	L099-PL	c
TP01	N/A	S	570858	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP01	N/A	S	570858	c	Total Sulphur in soil	L038B	c
TP01	N/A	S	570858	c	Total sulphate (as SO4 in soil)	L038B	c
TP01	N/A	S	570858	c	pH in soil (automated)	L099-PL	c
TP02	N/A	S	570854	c	Chloride, water soluble, in soil	L082B	c
TP02	N/A	S	570854	c	Nitrate, water soluble, in soil	L078-PL	c
TP02	N/A	S	570854	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP02	N/A	S	570854	c	Total Sulphur in soil	L038B	c
TP02	N/A	S	570854	c	Total sulphate (as SO4 in soil)	L038B	c
TP02	N/A	S	570854	c	Water Soluble Nitrate (leachate equivalent)	L078-PL	c
TP02	N/A	S	570854	c	pH in soil (automated)	L099-PL	c
TP02	N/A	S	570855	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP02	N/A	S	570855	c	Total Sulphur in soil	L038B	c
TP02	N/A	S	570855	c	Total sulphate (as SO4 in soil)	L038B	c
TP02	N/A	S	570855	c	pH in soil (automated)	L099-PL	c
TP03	N/A	S	570856	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP03	N/A	S	570856	c	Total Sulphur in soil	L038B	c
TP03	N/A	S	570856	c	Total sulphate (as SO4 in soil)	L038B	c
TP03	N/A	S	570856	c	pH in soil (automated)	L099-PL	c
TP08	N/A	S	570853	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP08	N/A	S	570853	c	Total Sulphur in soil	L038B	c
TP08	N/A	S	570853	c	Total sulphate (as SO4 in soil)	L038B	c
TP08	N/A	S	570853	c	pH in soil (automated)	L099-PL	c
TP14	N/A	S	570849	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP14	N/A	S	570849	c	Total Sulphur in soil	L038B	c
TP14	N/A	S	570849	c	Total sulphate (as SO4 in soil)	L038B	c
TP14	N/A	S	570849	c	pH in soil (automated)	L099-PL	c
TP22	N/A	S	570852	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP22	N/A	S	570852	c	Total Sulphur in soil	L038B	c
TP22	N/A	S	570852	c	Total sulphate (as SO4 in soil)	L038B	c
TP22	N/A	S	570852	c	pH in soil (automated)	L099-PL	c
TP24	N/A	S	570851	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c

Analytical Report Number : 25-029367
Project / Site name: IP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP24	N/A	S	570851	c	Total Sulphur in soil	L038B	c
TP24	N/A	S	570851	c	Total sulphate (as SO4 in soil)	L038B	c
TP24	N/A	S	570851	c	pH in soil (automated)	L099-PL	c
TP27	N/A	S	570850	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP27	N/A	S	570850	c	Total Sulphur in soil	L038B	c
TP27	N/A	S	570850	c	Total sulphate (as SO4 in soil)	L038B	c
TP27	N/A	S	570850	c	pH in soil (automated)	L099-PL	c
TP28	N/A	S	570861	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP28	N/A	S	570861	c	Total Sulphur in soil	L038B	c
TP28	N/A	S	570861	c	Total sulphate (as SO4 in soil)	L038B	c
TP28	N/A	S	570861	c	pH in soil (automated)	L099-PL	c
TP32	N/A	S	570860	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP32	N/A	S	570860	c	Total Sulphur in soil	L038B	c
TP32	N/A	S	570860	c	Total sulphate (as SO4 in soil)	L038B	c
TP32	N/A	S	570860	c	pH in soil (automated)	L099-PL	c
TP34	N/A	S	570859	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP34	N/A	S	570859	c	Total Sulphur in soil	L038B	c
TP34	N/A	S	570859	c	Total sulphate (as SO4 in soil)	L038B	c
TP34	N/A	S	570859	c	pH in soil (automated)	L099-PL	c
TP38	N/A	S	570862	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP38	N/A	S	570862	c	Total Sulphur in soil	L038B	c
TP38	N/A	S	570862	c	Total sulphate (as SO4 in soil)	L038B	c
TP38	N/A	S	570862	c	pH in soil (automated)	L099-PL	c
TP40	1	S	572878	c	Chloride, water soluble, in soil	L082B	c
TP40	1	S	572878	c	Nitrate, water soluble, in soil	L078-PL	c
TP40	1	S	572878	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP40	1	S	572878	c	Total Sulphur in soil	L038B	c
TP40	1	S	572878	c	Total sulphate (as SO4 in soil)	L038B	c
TP40	1	S	572878	c	Water Soluble Nitrate (leachate equivalent)	L078-PL	c
TP40	1	S	572878	c	pH in soil (automated)	L099-PL	c
TP44	2	S	572880	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP44	2	S	572880	c	Total Sulphur in soil	L038B	c
TP44	2	S	572880	c	Total sulphate (as SO4 in soil)	L038B	c
TP44	2	S	572880	c	pH in soil (automated)	L099-PL	c
TP45	1	S	572879	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP45	1	S	572879	c	Total Sulphur in soil	L038B	c
TP45	1	S	572879	c	Total sulphate (as SO4 in soil)	L038B	c
TP45	1	S	572879	c	pH in soil (automated)	L099-PL	c
TP46	1	S	572877	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP46	1	S	572877	c	Total Sulphur in soil	L038B	c
TP46	1	S	572877	c	Total sulphate (as SO4 in soil)	L038B	c
TP46	1	S	572877	c	pH in soil (automated)	L099-PL	c
TP51	2	S	572874	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP51	2	S	572874	c	Total Sulphur in soil	L038B	c
TP51	2	S	572874	c	Total sulphate (as SO4 in soil)	L038B	c
TP51	2	S	572874	c	pH in soil (automated)	L099-PL	c
TP51	4	S	572875	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP51	4	S	572875	c	Total Sulphur in soil	L038B	c
TP51	4	S	572875	c	Total sulphate (as SO4 in soil)	L038B	c
TP51	4	S	572875	c	pH in soil (automated)	L099-PL	c
TP71	2	S	572876	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP71	2	S	572876	c	Total Sulphur in soil	L038B	c
TP71	2	S	572876	c	Total sulphate (as SO4 in soil)	L038B	c
TP71	2	S	572876	c	pH in soil (automated)	L099-PL	c
TP72	N/A	S	570857	c	Sulphate, water soluble, in soil (16hr extraction)	L038B	c
TP72	N/A	S	570857	c	Total Sulphur in soil	L038B	c

Analytical Report Number : 25-029367
Project / Site name: IP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP72	N/A	S	570857	c	Total sulphate (as SO4 in soil)	L038B	c
TP72	N/A	S	570857	c	pH in soil (automated)	L099-PL	c

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

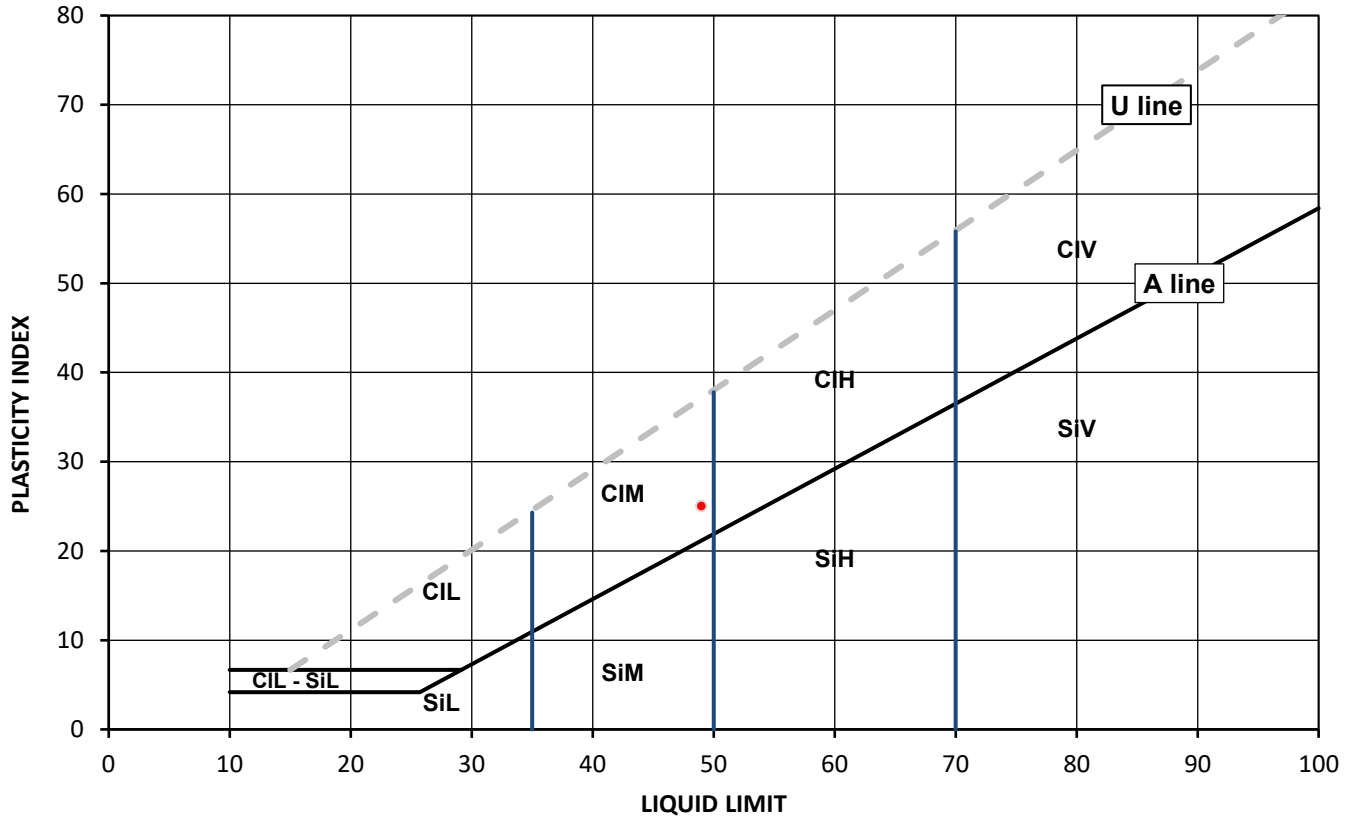
Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-034889-1
		Date Sampled:	Not Given
		Date Received:	26/06/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	600927	Depth Top [m]:	0.80
Hole No.:	TP63	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brownish grey slightly sandy silty CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
20.0	49	24	25	-0.16	1.16	98



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 23/07/2025

GF 337.14

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-034889-1
Date Sampled: Not Given
Date Received: 26/06/2025
Date Tested: 08/07 - 09/07/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
600920	TP70	Not Given	1.80	Not Given	D	Yellowish brown slightly clayey SAND		10.5											
600921	TP69	Not Given	1.80	Not Given	D	Brown SAND		4.5											
600923	TP59	Not Given	1.00	Not Given	D	Brown slightly gravelly sandy CLAY		11.2											
600925	TP61	Not Given	0.80	Not Given	D	Brown SAND		7.9											
600927	TP63	Not Given	0.80	Not Given	B	Brownish grey slightly sandy silty CLAY		20.0											
600928	TP63	Not Given	3.70	Not Given	D	Brown SAND		10.2											
600929	DS47	Not Given	2.00	Not Given	D	Brown sandy silty CLAY		18.0											

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 23/07/2025

GF 126.19

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

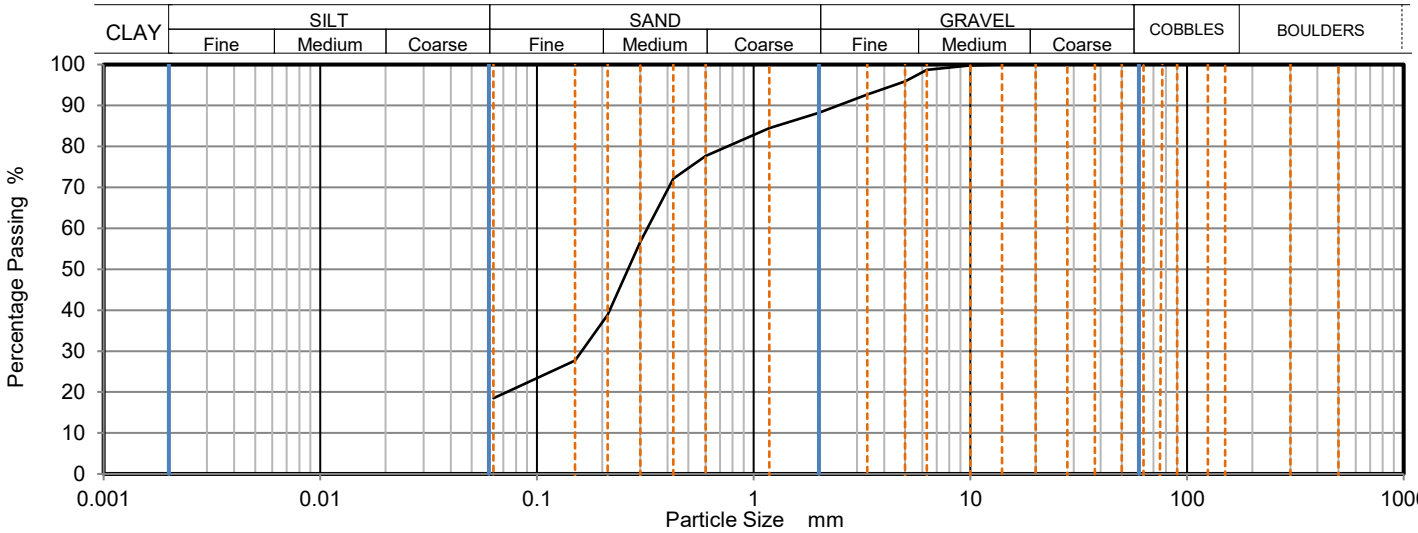
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-034889-1
		Date Sampled:	Not Given
		Date Received:	26/06/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	600919	Depth Top [m]:	0.80
Hole No.:	TP70	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.4 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	99		
5	96		
3.35	93		
2	88		
1.18	85		
0.6	78		
0.425	72		
0.3	57		
0.212	39		
0.15	28		
0.063	19		

Sample Proportions	% dry mass
Very coarse	0
Gravel	12
Sand	69
Fines <0.063 mm	19

Grading Analysis		
D100	mm	14
D60	mm	0.323
D30	mm	0.161
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 23/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

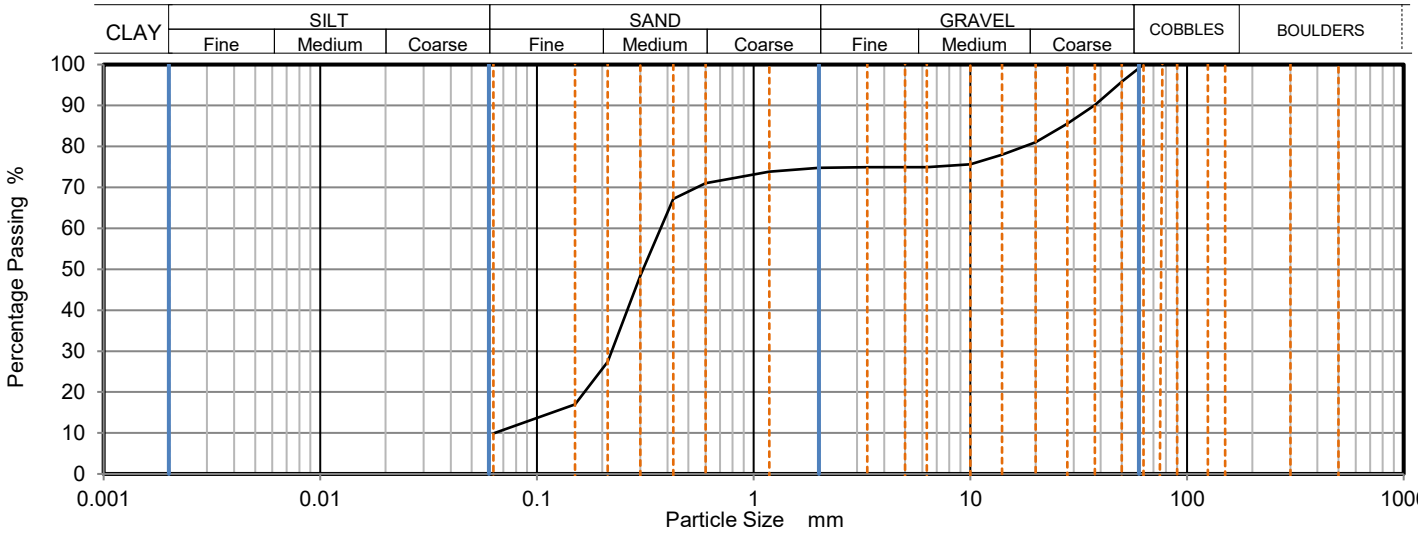
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-034889-1
		Date Sampled:	Not Given
		Date Received:	26/06/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	600922	Depth Top [m]:	2.10
Hole No.:	TP69	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown very gravelly clayey SAND		
Sample Preparation:	Sample was whole tested, oven dried at 107.7 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	96		
37.5	90		
28	86		
20	81		
14	78		
10	76		
6.3	75		
5	75		
3.35	75		
2	75		
1.18	74		
0.6	71		
0.425	67		
0.3	48		
0.212	27		
0.15	17		
0.063	10		

Sample Proportions	% dry mass
Very coarse	0
Gravel	25
Sand	65
Fines <0.063 mm	10

Grading Analysis		
D100	mm	63
D60	mm	0.372
D30	mm	0.221
D10	mm	0.0635
Uniformity Coefficient		5.9
Curvature Coefficient		2.1

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 23/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

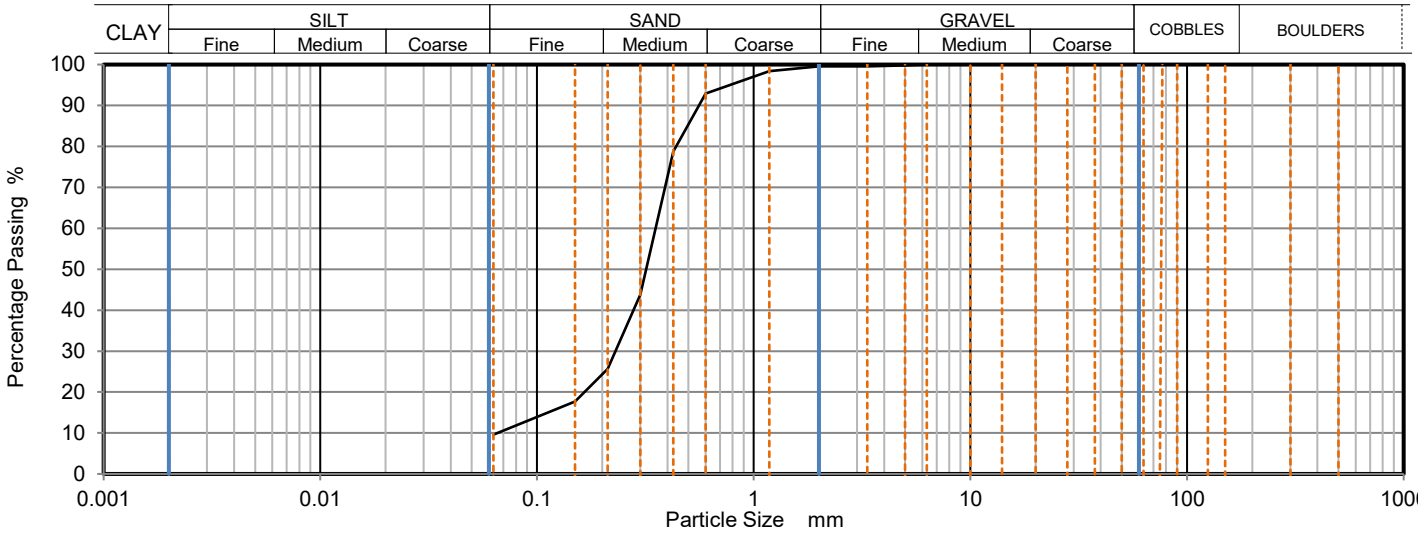
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-034889-1
		Date Sampled:	Not Given
		Date Received:	26/06/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	600924	Depth Top [m]:	1.80
Hole No.:	TP60	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.4 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	98		
0.6	93		
0.425	79		
0.3	44		
0.212	26		
0.15	18		
0.063	10		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	90
Fines <0.063 mm	10

Grading Analysis		
D100	mm	6.3
D60	mm	0.352
D30	mm	0.23
D10	mm	0.0655
Uniformity Coefficient		5.4
Curvature Coefficient		2.3

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 23/07/2025

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

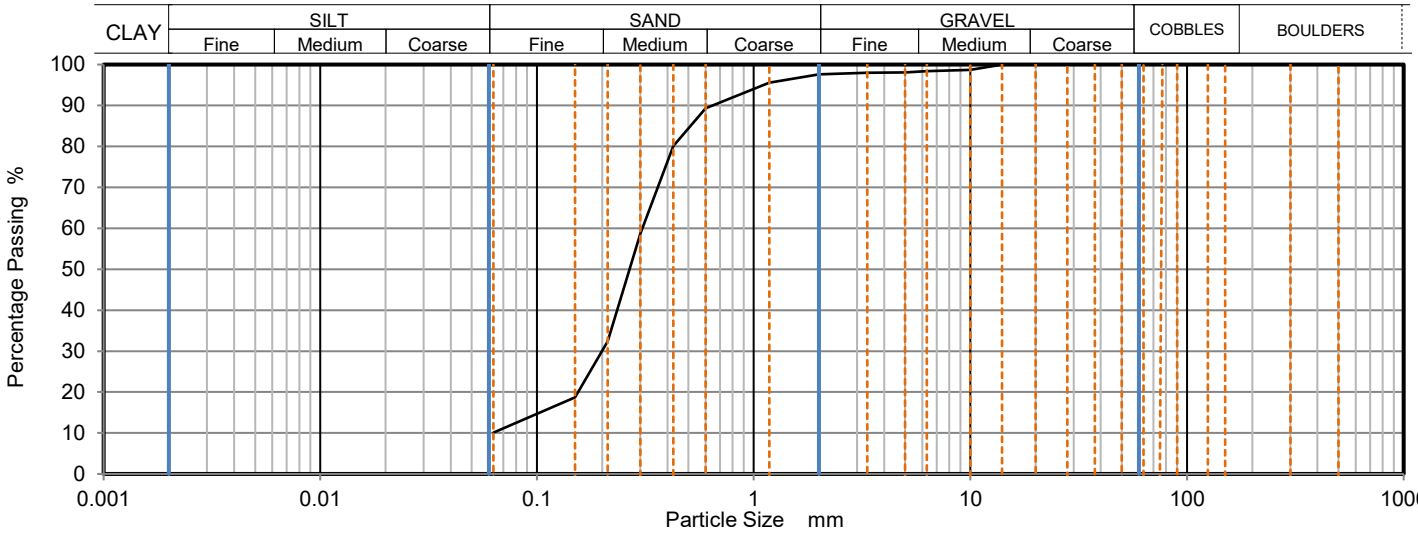
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-034889-1
		Date Sampled:	Not Given
		Date Received:	26/06/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	600926	Depth Top [m]:	1.50
Hole No.:	TP62	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown slightly gravelly clayey SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.4 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	98		
5	98		
3.35	98		
2	98		
1.18	96		
0.6	89		
0.425	80		
0.3	59		
0.212	32		
0.15	19		
0.063	10		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	88
Fines <0.063 mm	10

Grading Analysis		
D100	mm	14
D60	mm	0.307
D30	mm	0.199
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 23/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

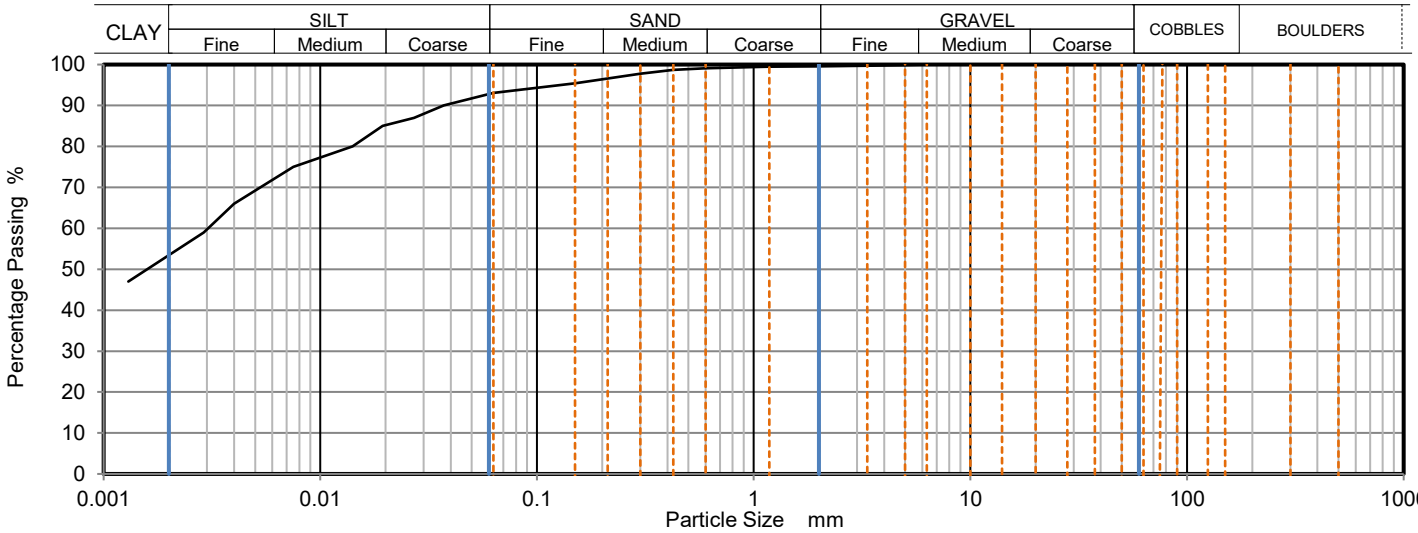
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-034889-1
		Date Sampled:	Not Given
		Date Received:	26/06/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	600927	Depth Top [m]:	0.80
Hole No.:	TP63	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brownish grey slightly sandy silty CLAY		
Sample Preparation:	Sample was quartered, oven dried at 108.4 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0372	90
300	100	0.0271	87
150	100	0.0194	85
125	100	0.0141	80
90	100	0.0075	75
75	100	0.0040	66
63	100	0.0029	59
50	100	0.0013	47
37.5	100		
28	100		
20	100		
14	100		
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	97		
0.15	95		
0.063	93		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	7
Silt	40
Clay	53

Grading Analysis		
D100	mm	6.3
D60	mm	0.00299
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving and hydrometer sedimentation

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 23/07/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

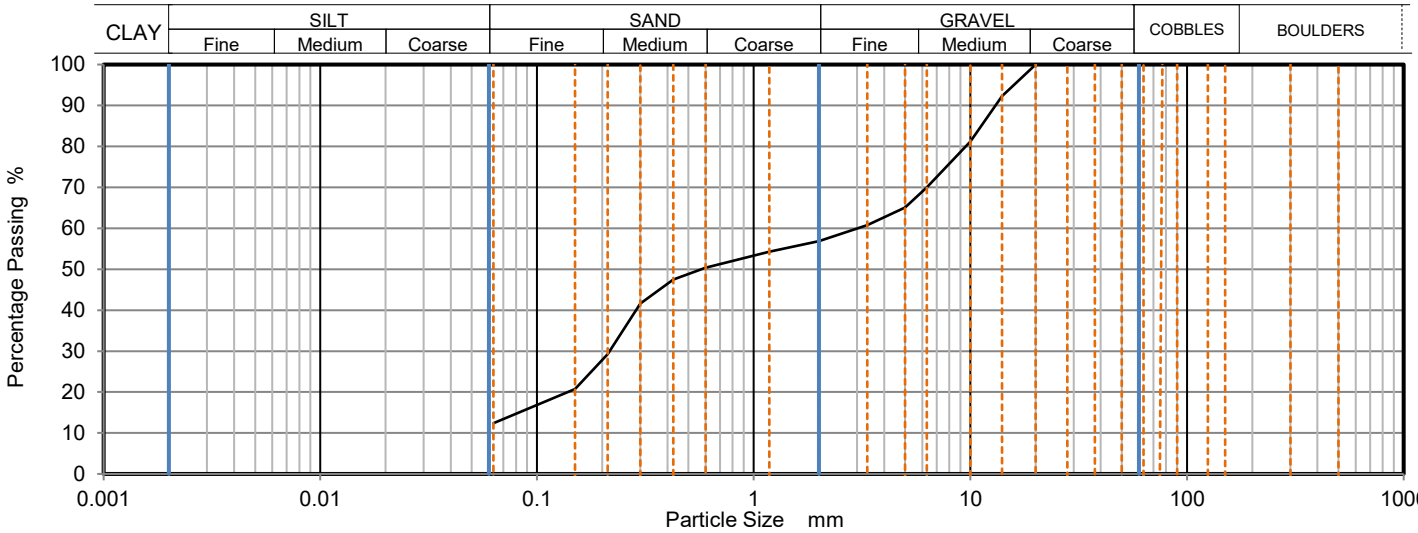
4041

Client:	BWB Consulting Limited	Client Reference:	233398
Client Address:	5th Floor, Waterfront House, Nottingham, NG2 3DQ	Job Number:	25-034889-1
		Date Sampled:	Not Given
		Date Received:	26/06/2025
Contact:	Thomas Flame	Date Tested:	09/07/2025
Site Address:	IP North	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	600930	Depth Top [m]:	2.40
Hole No.:	TP65	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown clayey GRAVEL/SAND		
Sample Preparation:	Sample was quartered, oven dried at 108.4 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	92		
10	81		
6.3	70		
5	65		
3.35	61		
2	57		
1.18	54		
0.6	50		
0.425	48		
0.3	42		
0.212	29		
0.15	21		
0.063	12		

Sample Proportions	% dry mass
Very coarse	0
Gravel	43
Sand	45
Fines <0.063 mm	12

Grading Analysis		
D100	mm	20
D60	mm	3.02
D30	mm	0.216
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

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Signed: Katarzyna Koziel

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

Date Reported: 23/07/2025

GF 366.12

SUMMARY REPORT

DETERMINATION OF PARTICLE DENSITY - GAS JAR METHOD

Tested in Accordance with: BS 1377-2:2022, clause 9.2

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: BWB Consulting Limited

Client Address: 5th Floor, Waterfront House,
Nottingham, NG2 3DQ

Contact: Thomas Flame

Site Address: IP North

Client Reference: 233398
Job Number: 25-034889-1
Date Sampled: Not Given
Date Received: 26/06/2025
Date Tested: 09/07/2025
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	PD	Preparation				
		Reference	Depth Top m	Depth Base m	Type			Mg/m3					
600919	TP70	Not Given	0.80	Not Given	B	Yellowish brown slightly gravelly very sandy CLAY		2.67	Quartered, natural condition				
600922	TP69	Not Given	2.10	Not Given	B	Yellowish brown very gravelly clayey SAND		2.65	Quartered, natural condition				
600924	TP60	Not Given	1.80	Not Given	B	Yellowish brown clayey SAND		2.62	Quartered, natural condition				
600926	TP62	Not Given	1.50	Not Given	B	Yellowish brown slightly gravelly clayey SAND		2.66	Quartered, natural condition				
600930	TP65	Not Given	2.40	Not Given	B	Yellowish brown clayey GRAVEL/SAND		2.65	Quartered, natural condition				

Note: PD - Particle Density

Comments:

Signed:

Katarzyna Koziel
Geotechnical Reporting Team Leader
for and on behalf of i2 Analytical Ltd

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Date Reported: 23/07/2025

GF 591.1

BWB Consulting Limited
5th Floor
Waterfront House
Nottingham
NG2 3DQ

e: thomas.flame@bwbconsulting.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 25-034890

Project / Site name:	IP North	**Samples received on:**	26/06/2025
Your job number:	233398	**Samples instructed on/ Analysis started on:**	02/07/2025
Your order number:	11636	**Analysis completed by:**	09/07/2025
Report Issue Number:	1	**Report issued on:**	09/07/2025
Samples Analysed:	4 soil samples		

Signed:

Joanna Wawrzeczko
Senior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-034890
Project / Site name: IP North

Lab Sample Number				600931	600932	600933	600934
Sample Reference				TP70	TP70	TP61	TP67B
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A
Depth (m)				0.1	1.8	0.8	0.8
Date Sampled				Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	8	5.7	10
Total mass of sample received	kg	0.1	NONE	1.5	1.7	0.2	0.4
General Inorganics							
pH (L099)	pH Units	N/A	MCERTS	7.5	8.3	8.2	8
Total Sulphate as SO_4	%	0.005	MCERTS	0.037	0.029	0.009	0.18
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	21	11	7.8	790
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	10.6	5.28	3.92	395
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	5.8
Total Sulphur	mg/kg	50	MCERTS	170	110	< 50	1700
Total Sulphur	%	0.005	MCERTS	0.017	0.011	< 0.005	0.171
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-	-	-	< 2.0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-	-	-	< 5.0
Heavy Metals / Metalloids							
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	13
Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	26

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number : 25-034890
Project / Site name: IP North

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
600931	TP70	None Supplied	0.1	Brown loam and clay with gravel and vegetation
600932	TP70	None Supplied	1.8	Brown sandy clay with gravel
600933	TP61	None Supplied	0.8	Brown sand with gravel
600934	TP67B	None Supplied	0.8	Brown clay and sand with gravel

Analytical Report Number : 25-034890
Project / Site name: IP North

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

Sample Deviation Report

Analytical Report Number : 25-034890
Project / Site name: IP North

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP61	N/A	S	600933	a	Moisture Content	L019B	a
TP61	N/A	S	600933	a	Sample preparation	L019B	a
TP61	N/A	S	600933	a	Soil Descriptions	L019B	a
TP61	N/A	S	600933	a	Stones content of soil	L019B	a
TP61	N/A	S	600933	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
TP61	N/A	S	600933	a	Total Sulphur in soil	L038B	a
TP61	N/A	S	600933	a	Total sulphate (as SO4 in soil)	L038B	a
TP61	N/A	S	600933	a	pH in soil (automated)	L099-PL	a
TP67B	N/A	S	600934	a	Chloride, water soluble, in soil	L082B	a
TP67B	N/A	S	600934	a	Magnesium, water soluble, in soil	L038B	a
TP67B	N/A	S	600934	a	Moisture Content	L019B	a
TP67B	N/A	S	600934	a	Nitrate, water soluble, in soil	L078-PL	a
TP67B	N/A	S	600934	a	Sample preparation	L019B	a
TP67B	N/A	S	600934	a	Soil Descriptions	L019B	a
TP67B	N/A	S	600934	a	Stones content of soil	L019B	a
TP67B	N/A	S	600934	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
TP67B	N/A	S	600934	a	Total Sulphur in soil	L038B	a
TP67B	N/A	S	600934	a	Total sulphate (as SO4 in soil)	L038B	a
TP67B	N/A	S	600934	a	Water Soluble Nitrate (leachate equivalent)	L078-PL	a
TP67B	N/A	S	600934	a	pH in soil (automated)	L099-PL	a
TP70	N/A	S	600931	a	Moisture Content	L019B	a
TP70	N/A	S	600931	a	Sample preparation	L019B	a
TP70	N/A	S	600931	a	Soil Descriptions	L019B	a
TP70	N/A	S	600931	a	Stones content of soil	L019B	a
TP70	N/A	S	600931	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
TP70	N/A	S	600931	a	Total Sulphur in soil	L038B	a
TP70	N/A	S	600931	a	Total sulphate (as SO4 in soil)	L038B	a
TP70	N/A	S	600931	a	pH in soil (automated)	L099-PL	a
TP70	N/A	S	600932	a	Moisture Content	L019B	a
TP70	N/A	S	600932	a	Sample preparation	L019B	a
TP70	N/A	S	600932	a	Soil Descriptions	L019B	a
TP70	N/A	S	600932	a	Stones content of soil	L019B	a
TP70	N/A	S	600932	a	Sulphate, water soluble, in soil (16hr extraction)	L038B	a
TP70	N/A	S	600932	a	Total Sulphur in soil	L038B	a
TP70	N/A	S	600932	a	Total sulphate (as SO4 in soil)	L038B	a
TP70	N/A	S	600932	a	pH in soil (automated)	L099-PL	a

	GROUP	CBRG	California Bearing Ratio Tests – General						
	HEADING	LOCA_ID	SAMP_TOP	SAMP_REF	SAMP_TYP	SAMP_ID	SPEC_REF	SPEC_DPT	SPEC_DES
	UNIT		m					m	
STRATA	TYPE	ID	2DP	X	PA	ID	X	2DP	X
CHESTER	DATA	TP17	1.4	Not Given	B		570768		Brown SAN
CHESTER	DATA	TP37	0.5	Not Given	B		570809		Orangish b
CHESTER	DATA	TP41 2	2	Not Given	D		572850		Orangish b
CHESTER	DATA	TP48 1	1	Not Given	B		572838		Orangish b
CHESTER	DATA	TP51 4	1.6	Not Given	B		572841		Brown sligh
TILL	DATA	Combine T	0.4	Not Given	B		570877		Orangish b
TILL	DATA	RO01	5	Not Given	B		570819		Brown SAN
TILL	DATA	TP11	0.8	Not Given	B		570772		Orangish b
TILL	DATA	TP15	1	Not Given	B		570776		Reddish br
TILL	DATA	TP23	0.6	Not Given	B		570787		Reddish br
TILL	DATA	TP35	0.4	Not Given	B		570813		
TILL	DATA	TP42 1	0.8	Not Given	B		572852		Yellowish b
TILL	DATA	TP43 2	0.4	Not Given	B		572856		Brown SAN
TILL	DATA	TP51 1	0.5	Not Given	B		572840		
TOPSOIL	DATA	TP46 1	0.3	Not Given	B		572845		Black sligh

SPEC_PRE	CBRG_COI	CBRG_NM	CBRG_200	CBRG_STA	CBRG_STY	CBRG_REN	CBRG_ME1	CBRG_LAB	CBRG_CRE
		%	%	%					
X	PA	X	0DP	2SF	X	X	X	X	X
Recompac	Remoulde	9.7	0				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	7.2	1				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	7.4	1	1.8			BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	9.5	0	14			BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	7.7	17	49			BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	14.9	0	5.3			BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	6.8	8	39			BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	14.9	0				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	14.7	0				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	14.7	1				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	14.3	0	18			BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	13	1				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	10.2	8				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	9.6	0				BS 1377-2:	i2 Analytic	UKAS 4041
Recompac	Remoulde	19.1	1				BS 1377-2:	i2 Analytic	UKAS 4041

TEST_STAT	FILE_FSET
X	X

	GROUP	CMPG	Compaction Tests - General					
	HEADING	LOCA_ID	SAMP_TOP		SAMP_REF	SAMP_TYPE	SAMP_ID	SPEC_REF
	UNIT		m					
STRATA	TYPE	ID	2DP		X	PA	ID	X
CHESTER	DATA	Combine T		1.3	Not Given	B		572853
CHESTER	DATA	TP05		3.4	Not Given	B		570793
CHESTER	DATA	TP16		0.7	Not Given	B		570786
CHESTER	DATA	TP17		1.4	Not Given	B		570768
CHESTER	DATA	TP43 3		0.9	Not Given	B		572857
CHESTER	DATA	TP43 5		2.4	Not Given	B		572858
CHESTER	DATA	TP44 3		1.8	Not Given	B		572860
CHESTER	DATA	TP45 4		2.1	Not Given	B		572855
CHESTER	DATA	TP50 2		1.1	Not Given	B		572836
CHESTER	DATA	TP50 3		1.5	Not Given	B		572837
CHESTER	DATA	TP51 4		1.6	Not Given	B		572841
CHESTER	DATA	TP71 3		1.8	Not Given	B		572843
TILL	DATA	Combine T		0.4	Not Given	B		570877
TILL	DATA	RO01		5	Not Given	B		570819
TILL	DATA	TP03		0.6	Not Given	B		570797
TILL	DATA	TP41 1		0.45	Not Given	B		572848
TILL	DATA	TP44 1		0.7	Not Given	B		572859
TILL	DATA	TP45 2		0.45	Not Given	B		572854
TILL	DATA	TP46 2		0.8	Not Given	B		572846
TILL	DATA	TP47A 3		1.2	Not Given	B		572844

SPEC_DPTH m	CMPG_TESN	SPEC_PREP	SPEC_DESC
2DP	X	X	X
		Sample was quartere	Brown slightly gravelly clayey SAND
		Sample was quartere	Brown SILT
		Sample was quartere	Brown slightly gravelly SAND
		Sample was quartere	Brown clayey SAND
		Sample was quartere	Brown SAND
		Sample was quartered and broken down by hand. Material used was natura	
		Sample was quartere	Orangish brown very gravelly SAND
		Sample was quartere	Orangish brown gravelly clayey SAND
		Sample was quartered and broken down by hand. Material used was natura	
		Sample was quartered and broken down by hand. Material used was natura	
		Sample was quartere	Brown slightly sandy CLAY
		Sample was quartere	Brown slightly gravelly SAND
		Sample was quartere	Orangish brown sandy CLAY
		Sample was quartere	Brown SAND
		Sample was quartere	Yellowish brown slightly gravelly sandy silty CLAY
		Sample was quartered and broken down by hand. Material used was natura	
		Sample was whole te	Brown slightly clayey SAND
		Sample was whole tested and broken down by hand. Material used was nat	
		Sample was quartere	Yellowish brown gravelly CLAY
		Sample was quartere	Orangish Brown SAND

CMPG_TYPE	CMPG_MO	CMPG_375	CMPG_200	CMPG_PDI	CMPG_MA	CMPG_MC	CMPG_STA	CMPG_STY
		%	%	Mg/m3	Mg/m3	%	%	
PA	PA	0DP	0DP	XN	2DP	2SF	2SF	X
4.5KG	1 Litre	0	0	2.66	1.85	14		
4.5KG	1 Litre	0	0	#2.7	2.09	8.8		
4.5KG	1 Litre	0	0	#2.55	1.83	13		
4.5KG	1 Litre	0	0	2.66	1.9	14		
4.5KG	1 Litre	0	4	2.56	1.92	9.3		
4.5KG	CBR	18	34	#2.4	1.77	12		
4.5KG	CBR	37	53	#2.55	1.81	14		
4.5KG	1 Litre	0	2	2.66	1.95	12		
4.5KG	1 Litre	0	0	#2.55	1.82	13		
4.5KG	CBR	18	53	#2.6	1.84	14		
4.5KG	CBR	10	25	2.63	1.83	14		
4.5KG	CBR	10	21	2.64	1.84	14		
4.5KG	1 Litre	0	0	#2.51	2.01	9.3		
4.5KG	1 Litre	0	8	#2.6	2.06	9.7		
4.5KG	1 Litre	0	0	#2.63	2	11		
4.5KG	1 Litre	0	0	#2.58	1.93	12		
4.5KG	1 Litre	0	2	2.66	1.95	9.7		
4.5KG	1 Litre	0	2	#2.55	1.95	11		
4.5KG	1 Litre	0	1	2.7	1.9	14		
4.5KG	1 Litre	0	0	#2.45	1.91	9.7		

CMPG_REI	CMPG_ME	CMPG_LAE	CMPG_CRI	TEST_STAT	FILE_FSET
X	X	X	X	X	X
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
Zone X - te:	BS 1377-2:	i2 Analytica	UKAS 4041		
Zone X - te:	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
Zone X - te:	BS 1377-2:	i2 Analytica	UKAS 4041		
Test specir	BS 1377-2:	i2 Analytica	UKAS 4041		
Zone X - te:	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
Insufficien	BS 1377-2:	i2 Analytica	UKAS 4041		
Test specir	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		
	BS 1377-2:	i2 Analytica	UKAS 4041		

	GROUP	CMPG	Compaction Tests - General					
	HEADING	LOCA_ID	SAMP_TOP		SAMP_REF	SAMP_TYPE	SAMP_ID	SPEC_REF
	UNIT		m					
STRATA	TYPE	ID	2DP		X	PA	ID	X
REWORKE	DATA	TP02		0.6	Not Given	B		570795
PEAT	DATA	TP04		2.4	Not Given	B		570803
TILL	DATA	TP08		0.7	Not Given	B		570789
TILL	DATA	TP10		2.3	Not Given	B		570769
TILL	DATA	TP11		0.8	Not Given	B		570772
TILL	DATA	TP15		1	Not Given	B		570776
TILL	DATA	TP20		0.5	Not Given	B		570783
TILL	DATA	TP33		0.5	Not Given	B		570807
TILL	DATA	TP34		1.2	Not Given	B		570805
TILL	DATA	TP36		0.7	Not Given	B		570811
TILL	DATA	TP46 2		1.2	Not Given	B		572847
CHESTER	DATA	TP48 1		1	Not Given	B		572838
TILL	DATA	TP71 1		0.5	Not Given	B		572842
TILL	DATA	TP72		1	Not Given	B		570800

SPEC_DPTH	CMPG_TESN
m	
2DP	X

SPEC_PREP

X

Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested
Sample was quartered and broken down by hand. Material used was natural. Single sample tested

SPEC_DESC	CMPG_TYPE	CMPG_MO	CMPG_375	CMPG_200
			%	%
X	PA	PA	0DP	0DP
		CBR	0	6
Dark brown PEAT		1 Litre	0	0
Reddish brown sandy silty CLAY		1 Litre	0	1
		1 Litre	0	0
Orangish brown slightly gravelly sandy silty CLAY		1 Litre	0	2
Reddish brown slightly gravelly slightly sandy silty CLAY		CBR	4	5
Brown CLAY		1 Litre	0	0
		1 Litre	0	1
		1 Litre	0	0
		1 Litre	0	0
Brown sandy CLAY		1 Litre	0	0
Orangish brown gravelly SAND		1 Litre	0	0
Brown slightly gravelly sandy silty CLAY		1 Litre	0	1
Brown slightly gravelly sandy silty CLAY		1 Litre	0	0

CMPG_PDI	CMPG_MA	CMPG_MC	CMPG_STA	CMPG_STY	CMPG_REI	CMPG_ME	CMPG_LAE	CMPG_CRI	TEST_STAT
Mg/m3	Mg/m3	%	%						
XN	2DP	2SF	2SF	X	X	X	X	X	X
#2.7	1.88	14				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.5	1.59	21				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.75	1.93	13				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.6	1.88	13				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.6	1.95	10			Test specir	BS 1377-2:	i2 Analytica	UKAS 4041	
#2.65	1.87	15			Test specir	BS 1377-2:	i2 Analytica	UKAS 4041	
2.72	1.92	13			Test specir	BS 1377-2:	i2 Analytica	UKAS 4041	
#2.7	1.79	17				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.6	1.96	11				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.6	1.77	16				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.6	1.86	14				BS 1377-2:	i2 Analytica	UKAS 4041	
2.45	1.69	16				BS 1377-2:	i2 Analytica	UKAS 4041	
2.66	1.92	13				BS 1377-2:	i2 Analytica	UKAS 4041	
#2.6	1.88	13				BS 1377-2:	i2 Analytica	UKAS 4041	

FILE_FSET

X

	GROUP	GRAG	Particle Size Distribution Analysis - General						
	HEADING	LOCA_ID	SAMP_TOP	SAMP_REF	SAMP_TYP	SAMP_ID	SPEC_REF	SPEC_DPT	SPEC_DES
	UNIT		m					m	
STRATA	TYPE	ID	2DP	X	PA	ID	X	2DP	X
CHESTER	DATA	Combine T	1.3	Not Given	B		572853		Brown sligł
CHESTER	DATA	TP16	0.7	Not Given	B		570786		
CHESTER	DATA	TP17	1.4	Not Given	B		570768		Brown SAN
CHESTER	DATA	TP19	1	Not Given	B		570777		
CHESTER	DATA	TP20	2.6	Not Given	B		570785		
CHESTER	DATA	TP22	0.5	Not Given	B		570788		Brown SAN
CHESTER	DATA	TP25	1.2	Not Given	B		570782		
CHESTER	DATA	TP26	1.2	Not Given	B		570779		
CHESTER	DATA	TP27	0.8	Not Given	B		570781		
CHESTER	DATA	TP32	2	Not Given	B		570806		Orangish b
CHESTER	DATA	TP37	0.5	Not Given	B		570809		
CHESTER	DATA	TP39	1.6	Not Given	B		570808		
CHESTER	DATA	TP41 2	2	Not Given	D		572850		
CHESTER	DATA	TP45 4	2.1	Not Given	B		572855		Orangish b
CHESTER	DATA	TP60	1.8	Not Given	B		600924		Yellowish I
CHESTER	DATA	TP62	1.5	Not Given	B		600926		Yellowish I
CHESTER	DATA	TP65	2.4	Not Given	B		600930		Yellowish I
CHESTER	DATA	TP69	2.1	Not Given	B		600922		Yellowish I
CHESTER	DATA	TP70	0.8	Not Given	B		600919		Yellowish I
GLACIOFLI	DATA	TP02	1.9	Not Given	D		570796		Brown sligł
PEAT	DATA	TP04	0.9	Not Given	B		570802		
PEAT	DATA	TP14	0.7	Not Given	B		570774		
REWORKE	DATA	TP02	0.6	Not Given	B		570795		Brown slig
TILL	DATA	TP03	0.6	Not Given	B		570797		
TILL	DATA	TP08	0.7	Not Given	B		570789		Reddish br
TILL	DATA	TP11	0.8	Not Given	B		570772		
TILL	DATA	TP12	1.9	Not Given	B		570771		
TILL	DATA	TP13	0.6	Not Given	B		570773		
TILL	DATA	TP15	1	Not Given	B		570776		
TILL	DATA	TP20	0.5	Not Given	B		570783		Brown CLA
TILL	DATA	TP24	0.5	Not Given	B		570780		
TILL	DATA	TP26	0.5	Not Given	B		570778		
TILL	DATA	TP35	0.4	Not Given	B		570813		
TILL	DATA	TP40 3	0.7	Not Given	D		572851		
TILL	DATA	TP45 2	0.45	Not Given	B		572854		Brown SAN
TILL	DATA	TP63	0.8	Not Given	B		600927		
TILL	DATA	TP71 1	0.5	Not Given	B		572842		Brown sligł
TILL	DATA	TP72	1	Not Given	B		570800		

SPEC_PRE	GRAG_UC	GRAG_VCF	GRAG_GR/	GRAG_SAN	GRAG_SILT	GRAG_CLA	GRAG_FIN	GRAG_REM
		%	%	%	%	%	%	
X	1DP	1DP	1DP	1DP	1DP	1DP	1DP	X
Sample wa	4	0	2	92			6	
Sample wa	2.6	0	0	94			6	
Sample was quartered		0	0	87			13	
Sample wa	3.3	0	2	92			6	
Sample was whole tes		0	5	71			24	
Sample was quartered		0	0	87			13	
Sample wa	3.5	0	4	89			7	
Sample was quartered		0	2	71			27	
Sample was quartered		0	1	89			10	
Sample wa	4.8	0	1	90			9	
Sample wa	3.8	0	4	90			6	
Sample wa	2.8	0	17	78			5	
Sample wa	2.3	0	2	92			6	
Sample was quartered		0	7	83			10	
Sample wa	5.4	0	0	90			10	
Sample was quartered		0	2	88			10	
Sample was quartered		0	43	45			12	
Sample wa	5.9	0	25	65			10	
Sample was quartered		0	12	69			19	
Sample was quartered		0	2	77			21	
Sample was quartered		0	1	38	37	24	61	
Sample was quartered		0	2	33	31	34	65	
Sample was quartered		0	15	20	48	17	65	
Sample was quartered		0	2	41	26	31	57	
Sample was quartered		0	1	45	31	23	54	
Sample was quartered		0	4	51	31	14	45	
Sample was quartered		0	3	60	22	15	37	
Sample was quartered		0	1	21	54	24	78	
Sample was quartered		0	3	43	27	27	54	
Sample was quartered		0	1	49	25	25	50	
Sample was quartered		0	3	27	41	29	70	
Sample was quartered		0	0	8	36	56	92	
Sample was quartered		0	3	29	39	29	68	
Sample was quartered		0	6	43			51	
Sample was quartered		0	1	77			22	
Sample was quartered		0	0	7	40	53	93	
Sample was quartered		0	2	52	25	21	46	
Sample was quartered		0	4	36	32	28	60	

GRAG_METH	GRAG_LAB	GRAG_CRE	TEST_STAT	FILE_FSET
X	X	X	X	X
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving on as rece	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		
ISO 17892 -4, by sieving and hydro	i2 Analytic	UKAS 4041		

	GROUP	LLPL	Liquid and Plastic Limit Tests						
	HEADING	LOCA_ID	SAMP_TOP	SAMP_REF	SAMP_TYP	SAMP_ID	SPEC_REF	SPEC_DPT	SPEC_DES
	UNIT		m					m	
STRATA	TYPE	ID	2DP	X	PA	ID	X	2DP	X
CHESTER	DATA	TP03	2.2	Not Given	D		570798		
MG REWOI	DATA	TP02	0.6	Not Given	B		570795		
PEAT	DATA	TP14	0.7	Not Given	B		570774		
REWORKE	DATA	DS14	1	Not Given	D		570814		
TILL	DATA	DS10	1.7	Not Given	B		572861		
TILL	DATA	TP51 1	0.3	Not Given	D		572839		
TILL	DATA	TP71 1	0.5	Not Given	B		572842		Brown sligl
TILL	DATA	DS02	1.2	Not Given	D		570765		
TILL	DATA	DS15	0.5	Not Given	D		570815		
TILL	DATA	TP10	2	Not Given	D		570770		
TILL	DATA	TP20	1.5	Not Given	D		570784		
TILL	DATA	DS08	2	Not Given	B		570764		
TILL	DATA	TP08	2.1	Not Given	D		570790		
TILL	DATA	DS01	1.5	Not Given	D		570767		
TILL	DATA	RO02	4	Not Given	D		570820		
TILL	DATA	TP23	0.6	Not Given	B		570787		
TILL	DATA	DS05	3	Not Given	D		570766		
TILL	DATA	TP06	0.7	Not Given	D		570794		
TILL	DATA	TP15	0.5	Not Given	D		570775		
TILL	DATA	TP01	0.5	Not Given	D		570801		
TILL	DATA	DS07	1.2	Not Given	D		570763		
TILL	DATA	TP36	0.4	Not Given	D		570812		
TILL	DATA	DS06	3.5	Not Given	D		570816		
TILL	DATA	TP31	0.4	Not Given	D		570804		
TILL	DATA	TP24	0.5	Not Given	B		570780		
TILL	DATA	TP63	0.8	Not Given	B		600927		
TILL	DATA	TP41 3	1.3	Not Given	D		572849		

SPEC_PRE	LLPL_LL	LLPL_PL	LLPL_PI	LLPL_425	LLPL_PREF	LLPL_STAB	LLPL_STYP	LLPL_REM	LLPL_METH
	%	%		%		%			
X	0DP	XN	0DP	2DP	X	2SF	X	X	X
Tested afte	31	14	17	92	Material was natural				BS EN ISO
Tested afte	34	17	17	85	Material was natural				BS EN ISO
Tested afte	47	24	23	94	Material was natural				BS EN ISO
Tested afte	36	15	21	88	Material was natural				BS EN ISO
Tested afte	16	10	6	97	Material was natural				BS EN ISO
Tested afte	27	19	8	88	Material was natural				BS EN ISO
Tested afte	21	11	10	95	Material was natural				BS EN ISO
Tested afte	26	14	12	95	Material was natural				BS EN ISO
Tested afte	24	12	12	96	Material was natural				BS EN ISO
Tested afte	26	14	12	96	Material was natural				BS EN ISO
Tested afte	26	13	13	95	Material was natural				BS EN ISO
Tested afte	27	12	15	99	Material was natural				BS EN ISO
Tested afte	28	13	15	93	Material was natural				BS EN ISO
Tested afte	30	14	16	98	Material was natural				BS EN ISO
Tested afte	27	11	16	93	Material was natural				BS EN ISO
Tested afte	30	14	16	93	Material was natural				BS EN ISO
Tested afte	33	16	17	97	Material was natural				BS EN ISO
Tested afte	29	12	17	97	Material was natural				BS EN ISO
Tested afte	32	13	19	90	Material was natural				BS EN ISO
Tested afte	34	14	20	99	Material was natural				BS EN ISO
Tested afte	36	15	21	97	Material was natural				BS EN ISO
Tested afte	40	18	22	97	Material was natural				BS EN ISO
Tested afte	46	22	24	97	Material was natural				BS EN ISO
Tested afte	47	23	24	98	Material was natural				BS EN ISO
Tested afte	41	16	25	96	Material was natural				BS EN ISO
Tested afte	49	24	25	98	Material was natural				BS EN ISO
Tested afte	43	17	26	96	Material was natural				BS EN ISO

LLPL_LAB	LLPL_CREI	TEST_STAT	FILE_FSET
X	X	X	X
i2 Analytic	UKAS	4041	
i2 Analytic	UKAS	4041	
i2 Analytic	UKAS	4041

	GROUP	LNMC	Water/moisture Content Tests						
	HEADING	LOCA_ID	SAMP_TOP	SAMP_REF	SAMP_TYP	SAMP_ID	SPEC_REF	SPEC_DPT	SPEC_DES
	UNIT		m					m	
STRATA	TYPE	ID	2DP	X	PA	ID	X	2DP	X
CHESTER	DATA	DS26	1.7	Not Given	D		570817		
CHESTER	DATA	DS27	1.9	Not Given	D		570818		
CHESTER	DATA	TP03	2.2	Not Given	D		570798		
CHESTER	DATA	TP22	0.5	Not Given	B		570788		Brown SAN
CHESTER	DATA	TP25	1.2	Not Given	B		570782		
CHESTER	DATA	TP37	2	Not Given	D		570810		
CHESTER	DATA	TP48 1	1	Not Given	B		572838		
CHESTER	DATA	TP59	1	Not Given	D		600923		
CHESTER	DATA	TP63	3.7	Not Given	D		600928		
CHESTER	DATA	TP69	1.8	Not Given	D		600921		
CHESTER	DATA	TP70	1.8	Not Given	D		600920		
MG REWOI	DATA	TP02	0.6	Not Given	B		570795		
PEAT	DATA	TP04	0.9	Not Given	B		570802		
PEAT	DATA	TP04	2.4	Not Given	B		570803		
PEAT	DATA	TP14	0.7	Not Given	B		570774		
REWORKE	DATA	DS14	1	Not Given	D		570814		
TILL	DATA	DS01	1.5	Not Given	D		570767		
TILL	DATA	DS02	1.2	Not Given	D		570765		
TILL	DATA	DS05	3	Not Given	D		570766		
TILL	DATA	DS06	3.5	Not Given	D		570816		
TILL	DATA	DS07	1.2	Not Given	D		570763		
TILL	DATA	DS08	2	Not Given	B		570764		
TILL	DATA	DS10	1.7	Not Given	B		572861		
TILL	DATA	DS15	0.5	Not Given	D		570815		
TILL	DATA	DS41	2	Not Given	D		600929		
TILL	DATA	RO02	4	Not Given	D		570820		
TILL	DATA	TP01	0.5	Not Given	D		570801		
TILL	DATA	TP06	0.7	Not Given	D		570794		
TILL	DATA	TP08	2.1	Not Given	D		570790		
TILL	DATA	TP10	2	Not Given	D		570770		
TILL	DATA	TP15	0.5	Not Given	D		570775		
TILL	DATA	TP20	1.5	Not Given	D		570784		
TILL	DATA	TP23	0.6	Not Given	B		570787		
TILL	DATA	TP24	0.5	Not Given	B		570780		
TILL	DATA	TP31	0.4	Not Given	D		570804		
TILL	DATA	TP36	0.4	Not Given	D		570812		
TILL	DATA	TP40 3	0.7	Not Given	D		572851		
TILL	DATA	TP41 3	1.3	Not Given	D		572849		
TILL	DATA	TP51 1	0.3	Not Given	D		572839		
TILL	DATA	TP61	0.8	Not Given	D		600925		
TILL	DATA	TP63	0.8	Not Given	B		600927		
TILL	DATA	TP71 1	0.5	Not Given	B		572842		Brown sligh

SPEC_PRE	LNMC_MC	LNMC_TEM	LNMC_STA	LNMC_STY	LNMC_ISN	LNMC_CO	LNMC_REM	LNMC_ME	LNMC_LAB
	%	DegC	%						
X	X	0DP	2SF	X	YN	X	X	X	X
	7.2	108						BS EN ISO	i2 Analytica
	10.5	108						BS EN ISO	i2 Analytica
	17	108						BS EN ISO	i2 Analytica
D	8.5	108						BS EN ISO	i2 Analytica
	7.6	108						BS EN ISO	i2 Analytica
	6.9	108						BS EN ISO	i2 Analytica
	9.9							BS EN ISO	i2 Analytica
	11.2	109						BS EN ISO	i2 Analytica
	10.2	109						BS EN ISO	i2 Analytica
	4.5	109						BS EN ISO	i2 Analytica
	10.5	108						BS EN ISO	i2 Analytica
	14.2	108						BS EN ISO	i2 Analytica
	22.9	108						BS EN ISO	i2 Analytica
	129	108						BS EN ISO	i2 Analytica
	33	108						BS EN ISO	i2 Analytica
	10.9	108						BS EN ISO	i2 Analytica
	17.1	108						BS EN ISO	i2 Analytica
	12.5	108						BS EN ISO	i2 Analytica
	18.5	108						BS EN ISO	i2 Analytica
	30.9	108						BS EN ISO	i2 Analytica
	21.6	108						BS EN ISO	i2 Analytica
	17.8	108						BS EN ISO	i2 Analytica
	15.6	109						BS EN ISO	i2 Analytica
	8.9	108						BS EN ISO	i2 Analytica
	18	109						BS EN ISO	i2 Analytica
	8.9	108						BS EN ISO	i2 Analytica
	17.6	108						BS EN ISO	i2 Analytica
	14.6	108						BS EN ISO	i2 Analytica
	14.4	108						BS EN ISO	i2 Analytica
	15.4	108						BS EN ISO	i2 Analytica
	16.7	108						BS EN ISO	i2 Analytica
	15.6	108						BS EN ISO	i2 Analytica
	13.1	109						BS EN ISO	i2 Analytica
	18.3	108						BS EN ISO	i2 Analytica
	24.8	108						BS EN ISO	i2 Analytica
	21.3	108						BS EN ISO	i2 Analytica
	12.2	108						BS EN ISO	i2 Analytica
	22.4	109						BS EN ISO	i2 Analytica
	11.7							BS EN ISO	i2 Analytica
	7.9	109						BS EN ISO	i2 Analytica
	20	108						BS EN ISO	i2 Analytica
ıtly sandy C	11.1							BS EN ISO	i2 Analytica

LNMC_CRI	TEST_STAT	FILE_FSET
X	X	X
UKAS	4041	
UKAS	4041	
UKAS	4041

	GROUP	LPDN	Particle Density Tests						
	HEADING	LOCA_ID	SAMP_TOP	SAMP_REF	SAMP_TYP	SAMP_ID	SPEC_REF	SPEC_DPT	SPEC_DES
	UNIT		m					m	
STRATA	TYPE	ID	2DP	X	PA	ID	X	2DP	X
CHESTER	DATA	Combine T	1.3	Not Given	B		572853		Brown sligł
CHESTER	DATA	TP03	3.1	Not Given	B		570799		Brown sligł
CHESTER	DATA	TP08	3.3	Not Given	B		570791		Dark brown
CHESTER	DATA	TP17	1.4	Not Given	B		570768		Brown SAN
CHESTER	DATA	TP22	0.5	Not Given	B		570788		Brown SAN
CHESTER	DATA	TP32	2	Not Given	B		570806		Orangish b
CHESTER	DATA	TP43 3	0.9	Not Given	B		572857		Brown SAN
CHESTER	DATA	TP45 4	2.1	Not Given	B		572855		Orangish b
CHESTER	DATA	TP48 1	1	Not Given	B		572838		Orangish b
CHESTER	DATA	TP51 4	1.6	Not Given	B		572841		Brown sligł
CHESTER	DATA	TP60	1.8	Not Given	B		600924		Yellowish I
CHESTER	DATA	TP62	1.5	Not Given	B		600926		Yellowish I
CHESTER	DATA	TP65	2.4	Not Given	B		600930		Yellowish I
CHESTER	DATA	TP69	2.1	Not Given	B		600922		Yellowish b
CHESTER	DATA	TP70	0.8	Not Given	B		600919		Yellowish I
CHESTER	DATA	TP71 3	1.8	Not Given	B		572843		Brown sligł
GLACIOFLI	DATA	TP02	1.9	Not Given	D		570796		Brown sligł
TILL	DATA	TP20	0.5	Not Given	B		570783		Brown CLA
TILL	DATA	TP44 1	0.7	Not Given	B		572859		Brown sligł
TILL	DATA	TP46 2	0.8	Not Given	B		572846		Yellowish b
TOPSOIL	DATA	TP71 1	0.5	Not Given	B		572842		Brown sligł

SPEC_PRE	LPDN_PDE	LPDN_TYPI	LPDN_REM	LPDN_MET	LPDN_LAB	LPDN_CRE	TEST_STAT	FILE_FSET
	Mg/m3							
X	2DP	PA	X	X	X	X	X	X
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.69	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.8	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.56	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.45	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.63	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.62	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.65	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.65	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.67	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.64	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.65	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.72	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.7	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		
Quartered,	2.66	GAS JAR		BS 1377-2:	i2 Analytic	UKAS 4041		

TOPSOIL

25-029367

Lab Sample Number	570852
Sample Reference	TP22
Sample Number	None Supplied
Water Matrix	N/A
Depth (m)	0.10-0.20
Date Sampled	29/04/2025
Time Taken	None Supplied

Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	11
Total mass of sample received	kg	0.1	NONE	0.5

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.5
Total Sulphate as SO_4	%	0.005	MCERTS	0.032
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	35
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	17.7
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-
Total Sulphur	mg/kg	50	MCERTS	220
Total Sulphur	%	0.005	MCERTS	0.022
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	-
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	-

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	-
Magnesium (water soluble)	mg/kg	5	NONE	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

TOPSOIL	TOPSOIL	TOPSOIL	TOPSOIL	TOPSOIL
25-029367	25-029367	25-029367		25-029367
570862	572878	572879	600931	570857
TP38	TP40	TP45	TP70	TP72
None Supplied	1	1	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.10-0.20	0.2	0.2	0.1	0.10-0.20
02/05/2025	08/05/2025	08/05/2025	Deviating	30/04/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
9	13	11	10	15
1.1	1	1.3	1.5	1
7.6	7.3	6.9	7.5	7.6
0.038	0.053	0.052	0.037	0.033
13	32	31	21	42
6.69	16.1	15.7	10.6	21.1
-	2.6	-	-	-
260	330	270	170	220
0.026	0.033	0.027	0.017	0.022
-	38	-	-	-
-	19	-	-	-
-	< 2.5	-	-	-
-	< 5.0	-	-	-

POSSIBLE REWORKED SOIL	MADE GROUND REWORKED	MADE GROUND	PEAT	TILL
25-029367	25-029367		25-029367	25-029367
570863	570854	600934	570849	570847
DS14	TP02	TP67B	TP14	DS01
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
1	0.60-0.70	0.8	0.70-0.90	1.5
30/04/2025	30/04/2025	Deviating	28/04/2025	28/04/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
7.9	12	10	26	13
0.1	0.2	0.4	0.3	0.1
6.5	8.2	8	7.3	7.5
0.018	0.038	0.18	0.029	0.021
96	140	790	72	110
48	72.1	395	35.9	55.1
-	6.4	5.8	-	-
88	160	1700	320	90
0.009	0.016	0.171	0.032	0.009
-	< 2.0	< 2.0	-	-
-	< 5.0	< 5.0	-	-
-	6.7	13	-	-
-	14	26	-	-

TILL	TILL	TILL	TILL	TILL
25-029367	25-029367	25-029367	25-029367	25-029367
570848	570846	570865	570858	570856
DS03	DS05	RO04	TP01	TP03
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
2.3	3	1.5	0.50-0.60	0.40-0.50
28/04/2025	25/04/2025	13/05/2025	30/04/2025	30/04/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
5.2	12	10	14	14
0.5	0.2	1.2	0.2	1.2
6.9	6.9	5.5	8.2	7.6
0.007	0.016	0.026	0.016	0.017
31	50	110	40	78
15.6	25.1	55.7	19.7	39
-	-	-	-	-
< 50	130	100	53	72
< 0.005	0.013	0.01	0.005	0.007
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

TILL	TILL	TILL	TILL	TILL
	NOTE LOGS DIFFERENT DEPTH			
25-029367	25-029367	25-029367	25-029367	25-029367
570853	570851	570860	570859	572880
TP08	TP24	TP32	TP34	TP44
None Supplied	None Supplied	None Supplied	None Supplied	2
N/A	N/A	N/A	N/A	N/A
0.70-0.80	0.60-0.70	0.60-0.70	0.60-0.70	0.5
30/04/2025	29/04/2025	01/05/2025	01/05/2025	08/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
13	13	15	10	12
0.2	1.2	1.4	1.3	1.3
7.2	8	7.4	7.7	7.5
0.018	0.019	0.018	0.01	0.012
120	81	83	17	33
58.8	40.5	41.5	8.61	16.7
-	-	-	-	-
76	71	62	< 50	59
0.008	0.007	0.006	< 0.005	0.006
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

TILL	TILL	TILL	TILL	GLACIOFLUVIAL ICE
25-029367	25-029367		25-029367	25-029367
572877	572874	600933	572876	570855
TP46	TP51	TP61	TP71	TP02
1	2	None Supplied	2	None Supplied
N/A	N/A	N/A	N/A	N/A
0.8	0.4	0.8	1.2	1.90-2.00
07/05/2025	07/05/2025	Deviating	07/05/2025	30/04/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied

< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
12	8	5.7	11	8.8
1.2	1.2	0.2	0.4	0.2

7.8	7.6	8.2	5.8	6.6
0.033	0.036	0.009	0.034	0.023
46	17	7.8	35	56
23	8.66	3.92	17.3	27.8
-	-	-	-	-
120	130	< 50	100	82
0.012	0.013	< 0.005	0.01	0.008
-	-	-	-	-
-	-	-	-	-

-	-	-	-	-
-	-	-	-	-

CHESTER FORMATION	CHESTER FORMATION	CHESTER FORMATION	CHESTER FORMATION	CHESTER FORMATION
25-029367	25-029367	25-029367	25-029367	
570864	570850	570861	572875	600932
RO07	TP27	TP28	TP51	TP70
None Supplied	None Supplied	None Supplied	4	None Supplied
N/A	N/A	N/A	N/A	N/A
1	1.50-1.70	0.90-1.00	1.6	1.8
12/05/2025	29/04/2025	01/05/2025	07/05/2025	Deviating
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	40.7	< 0.1	< 0.1
5.3	7.1	3.2	6.9	8
1.5	1.4	0.6	0.2	1.7
7.6	8	7.2	8.4	8.3
0.007	0.005	0.011	0.03	0.029
10	13	9.7	9.4	11
5.11	6.46	4.87	4.69	5.28
-	-	-	-	-
< 50	< 50	< 50	79	110
< 0.005	< 0.005	< 0.005	0.008	0.011
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Lab Sample Number					
Sample Reference					
Sample Number					
Water Matrix					
Depth (m)					
Date Sampled					
Time Taken					
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	**MIN**	**MAX**
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	9	15
Total mass of sample received	kg	0.1	NONE	0.5	1.5

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.9	7.6
Total Sulphate as SO_4	%	0.005	MCERTS	0.032	0.053
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	13	42
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	6.69	21.1
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	2.6	2.6
Total Sulphur	mg/kg	50	MCERTS	170	330
Total Sulphur	%	0.005	MCERTS	0.017	0.033
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	38	38
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	19	19

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	0	0
Magnesium (water soluble)	mg/kg	5	NONE	0	0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Strata	TOPSOIL	TOPSOIL	TOPSOIL	TOPSOIL	TOPSOIL
	25-029367	25-029367	25-029367	25-029367	
	570852	570862	572878	572879	600931
	TP22	TP38	TP40	TP45	TP70
	None Supplied	None Supplied	1	1	None Supplied
	N/A	N/A	N/A	N/A	N/A
	0.10-0.20	0.10-0.20	0.2	0.2	0.1
	29/04/2025	02/05/2025	08/05/2025	08/05/2025	Deviating
	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
AVE					
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
11.5	11	9	13	11	10
1.1	0.5	1.1	1	1.3	1.5
7.4	7.5	7.6	7.3	6.9	7.5
0.04	0.032	0.038	0.053	0.052	0.037
29.0	35	13	32	31	21
14.6	17.7	6.69	16.1	15.7	10.6
2.6	-	-	2.6	-	-
245.0	220	260	330	270	170
0.025	0.022	0.026	0.033	0.027	0.017
38.0	-	-	38	-	-
19.0	-	-	19	-	-
#DIV/0!	-	-	< 2.5	-	-
#DIV/0!	-	-	< 5.0	-	-

TOPSOIL

25-029367
570857
TP72
None Supplied
N/A
0.10-0.20
30/04/2025
None Supplied

< 0.1
15
1

7.6
0.033
42
21.1
-
220
0.022
-
-

-
-

Lab Sample Number					
Sample Reference					
Sample Number					
Water Matrix					
Depth (m)					
Date Sampled					
Time Taken					
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	**MIN**	**MAX**
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.9	12
Total mass of sample received	kg	0.1	NONE	0.1	0.4

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.5	8.2
Total Sulphate as SO_4	%	0.005	MCERTS	0.018	0.18
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	96	790
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	48	395
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	5.8	6.4
Total Sulphur	mg/kg	50	MCERTS	88	1700
Total Sulphur	%	0.005	MCERTS	0.009	0.171
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	0	0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	0	0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	6.7	13
Magnesium (water soluble)	mg/kg	5	NONE	14	26

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Strata	POSSIBLE REWORKED SOIL	MADE GROUND REWORKED	MADE GROUND
	25-029367	25-029367	
	570863	570854	600934
	DS14	TP02	TP67B
	None Supplied	None Supplied	None Supplied
	N/A	N/A	N/A
	1	0.60-0.70	0.8
	30/04/2025	30/04/2025	Deviating
	None Supplied	None Supplied	None Supplied
AVE			
< 0.1	< 0.1	< 0.1	< 0.1
10.0	7.9	12	10
0.2	0.1	0.2	0.4
7.6	6.5	8.2	8
0.08	0.018	0.038	0.18
342.0	96	140	790
171.7	48	72.1	395
6.1	-	6.4	5.8
649.3	88	160	1700
0.065	0.009	0.016	0.171
#DIV/0!	-	< 2.0	< 2.0
#DIV/0!	-	< 5.0	< 5.0
9.9	-	6.7	13
20.0	-	14	26

Lab Sample Number					
Sample Reference					
Sample Number					
Water Matrix					
Depth (m)					
Date Sampled					
Time Taken					
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	**MIN**	**MAX**
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	26	26
Total mass of sample received	kg	0.1	NONE	0.3	0.3

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.3	7.3
Total Sulphate as SO_4	%	0.005	MCERTS	0.029	0.029
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	72	72
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	35.9	35.9
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	0	0
Total Sulphur	mg/kg	50	MCERTS	320	320
Total Sulphur	%	0.005	MCERTS	0.032	0.032
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	0	0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	0	0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	0	0
Magnesium (water soluble)	mg/kg	5	NONE	0	0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Strata	PEAT

	25-029367
	570849
	TP14
	None Supplied
	N/A
	0.70-0.90
	28/04/2025
	None Supplied
AVE	

< 0.1	< 0.1
26.0	26
0.3	0.3

7.3	7.3
0.03	0.029
72.0	72
35.9	35.9
#DIV/0!	-
320.0	320
0.032	0.032
#DIV/0!	-
#DIV/0!	-

#DIV/0!	-
#DIV/0!	-

Lab Sample Number					
Sample Reference					
Sample Number					
Water Matrix					
Depth (m)					
Date Sampled					
Time Taken					
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	**MIN**	**MAX**
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	5.2	15
Total mass of sample received	kg	0.1	NONE	0.1	1.4

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	5.5	8.2
Total Sulphate as SO_4	%	0.005	MCERTS	0.007	0.036
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	7.8	120
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	3.92	58.8
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	0	0
Total Sulphur	mg/kg	50	MCERTS	53	130
Total Sulphur	%	0.005	MCERTS	0.005	0.013
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	0	0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	0	0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	0	0
Magnesium (water soluble)	mg/kg	5	NONE	0	0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Strata	TILL	TILL	TILL	TILL	TILL
	25-029367	25-029367	25-029367	25-029367	25-029367
	570847	570848	570846	570865	570858
	DS01	DS03	DS05	RO04	TP01
	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
	N/A	N/A	N/A	N/A	N/A
	1.5	2.3	3	1.5	0.50-0.60
	28/04/2025	28/04/2025	25/04/2025	13/05/2025	30/04/2025
	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
AVE					
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
11.2	13	5.2	12	10	14
0.8	0.1	0.5	0.2	1.2	0.2
7.3	7.5	6.9	6.9	5.5	8.2
0.02	0.021	0.007	0.016	0.026	0.016
57.3	110	31	50	110	40
28.6	55.1	15.6	25.1	55.7	19.7
#DIV/0!	-	-	-	-	-
88.6	90	< 50	130	100	53
0.009	0.009	< 0.005	0.013	0.01	0.005
#DIV/0!	-	-	-	-	-
#DIV/0!	-	-	-	-	-
#DIV/0!	-	-	-	-	-
#DIV/0!	-	-	-	-	-

TILL	TILL	TILL	TILL	TILL
		NOTE LOGS DIFFERENT DEPTH		
25-029367	25-029367	25-029367	25-029367	25-029367
570856	570853	570851	570860	570859
TP03	TP08	TP24	TP32	TP34
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
N/A	N/A	N/A	N/A	N/A
0.40-0.50	0.70-0.80	0.60-0.70	0.60-0.70	0.60-0.70
30/04/2025	30/04/2025	29/04/2025	01/05/2025	01/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
14	13	13	15	10
1.2	0.2	1.2	1.4	1.3
7.6	7.2	8	7.4	7.7
0.017	0.018	0.019	0.018	0.01
78	120	81	83	17
39	58.8	40.5	41.5	8.61
-	-	-	-	-
72	76	71	62	< 50
0.007	0.008	0.007	0.006	< 0.005
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

TILL	TILL	TILL	TILL	TILL
25-029367	25-029367	25-029367		25-029367
572880	572877	572874	600933	572876
TP44	TP46	TP51	TP61	TP71
2	1	2	None Supplied	2
N/A	N/A	N/A	N/A	N/A
0.5	0.8	0.4	0.8	1.2
08/05/2025	07/05/2025	07/05/2025	Deviating	07/05/2025
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
12	12	8	5.7	11
1.3	1.2	1.2	0.2	0.4
7.5	7.8	7.6	8.2	5.8
0.012	0.033	0.036	0.009	0.034
33	46	17	7.8	35
16.7	23	8.66	3.92	17.3
-	-	-	-	-
59	120	130	< 50	100
0.006	0.012	0.013	< 0.005	0.01
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Lab Sample Number					
Sample Reference					
Sample Number					
Water Matrix					
Depth (m)					
Date Sampled					
Time Taken					
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	**MIN**	**MAX**
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	8.8	8.8
Total mass of sample received	kg	0.1	NONE	0.2	0.2

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.6	6.6
Total Sulphate as SO_4	%	0.005	MCERTS	0.023	0.023
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	56	56
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	27.8	27.8
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	0	0
Total Sulphur	mg/kg	50	MCERTS	82	82
Total Sulphur	%	0.005	MCERTS	0.008	0.008
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	0	0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	0	0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	0	0
Magnesium (water soluble)	mg/kg	5	NONE	0	0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Strata	GLACIOFLUVIAL ICE
	25-029367
	570855
	TP02
	None Supplied
	N/A
	1.90-2.00
	30/04/2025
	None Supplied
AVE	

< 0.1	< 0.1
8.8	8.8
0.2	0.2

6.6	6.6
0.02	0.023
56.0	56
27.8	27.8
#DIV/0!	-
82.0	82
0.008	0.008
#DIV/0!	-
#DIV/0!	-

#DIV/0!	-
#DIV/0!	-

Lab Sample Number					
Sample Reference					
Sample Number					
Water Matrix					
Depth (m)					
Date Sampled					
Time Taken					
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	**MIN**	**MAX**
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	3.2	8
Total mass of sample received	kg	0.1	NONE	0.2	1.7

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.2	8.4
Total Sulphate as SO_4	%	0.005	MCERTS	0.005	0.03
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	9.4	13
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	4.69	6.46
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	0	0
Total Sulphur	mg/kg	50	MCERTS	79	110
Total Sulphur	%	0.005	MCERTS	0.008	0.011
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	0	0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	0	0

Heavy Metals / Metalloids

Magnesium (leachate equivalent)	mg/l	2.5	NONE	0	0
Magnesium (water soluble)	mg/kg	5	NONE	0	0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

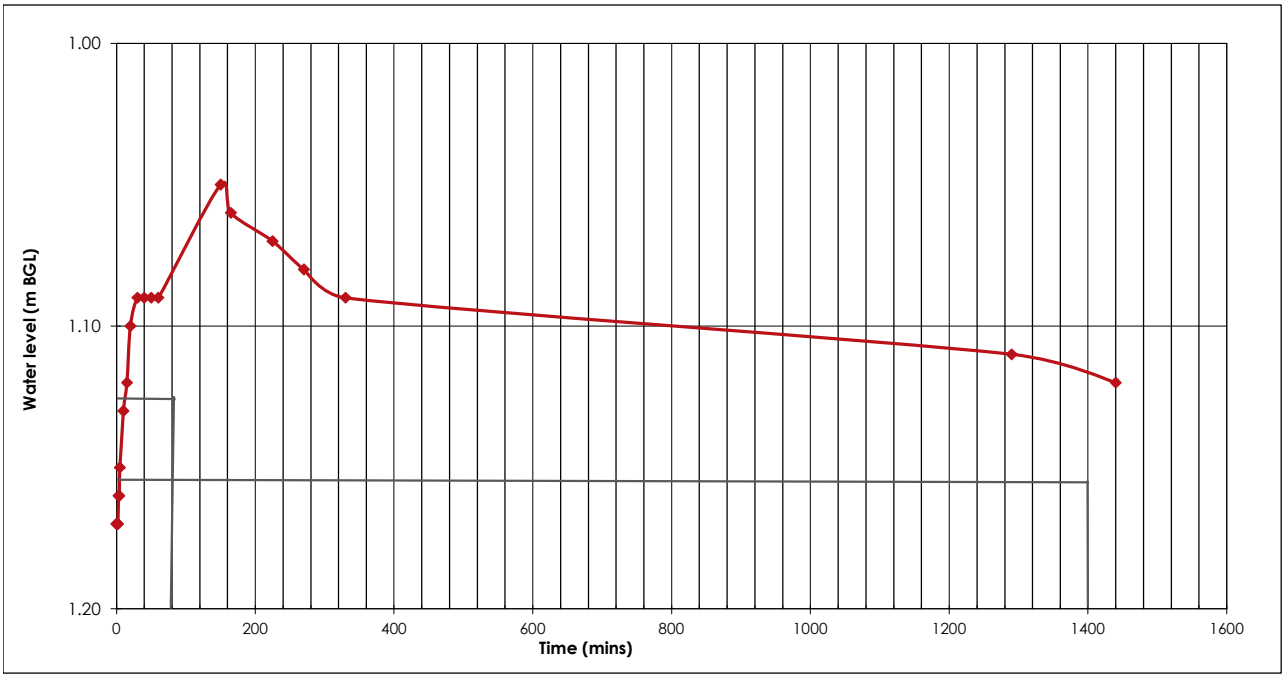
Strata	CHESTER FORMATION	CHESTER FORMATION	CHESTER FORMATION	CHESTER FORMATION	CHESTER FORMATION
	25-029367	25-029367	25-029367	25-029367	
	570864	570850	570861	572875	600932
	RO07	TP27	TP28	TP51	TP70
	None Supplied	None Supplied	None Supplied	4	None Supplied
	N/A	N/A	N/A	N/A	N/A
	1	1.50-1.70	0.90-1.00	1.6	1.8
	12/05/2025	29/04/2025	01/05/2025	07/05/2025	Deviating
	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
AVE					
< 0.1	< 0.1	< 0.1	40.7	< 0.1	< 0.1
6.1	5.3	7.1	3.2	6.9	8
1.1	1.5	1.4	0.6	0.2	1.7
7.9	7.6	8	7.2	8.4	8.3
0.02	0.007	0.005	0.011	0.03	0.029
10.6	10	13	9.7	9.4	11
5.3	5.11	6.46	4.87	4.69	5.28
#DIV/0!	-	-	-	-	-
94.5	< 50	< 50	< 50	79	110
0.010	< 0.005	< 0.005	< 0.005	0.008	0.011
#DIV/0!	-	-	-	-	-
#DIV/0!	-	-	-	-	-
#DIV/0!	-	-	-	-	-
#DIV/0!	-	-	-	-	-

Appendix 10: Infiltration Testing Results

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA01
Test reference:	A

TEST DATA	
Test start time:	11:00
Pit depth (m):	2.10
Pit width (m):	0.60
Pit length (m):	1.70
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.17
1.0	1.17
2.0	1.17
3.0	1.16
4.0	1.16
5.0	1.15
10.0	1.13
15.0	1.12
20.0	1.10
30.0	1.09
40.0	1.09
50.0	1.09
60.0	1.09
150.0	1.05
165.0	1.06
225.0	1.07
270.0	1.08
330.0	1.09
1290.0	1.11
1440.0	1.12

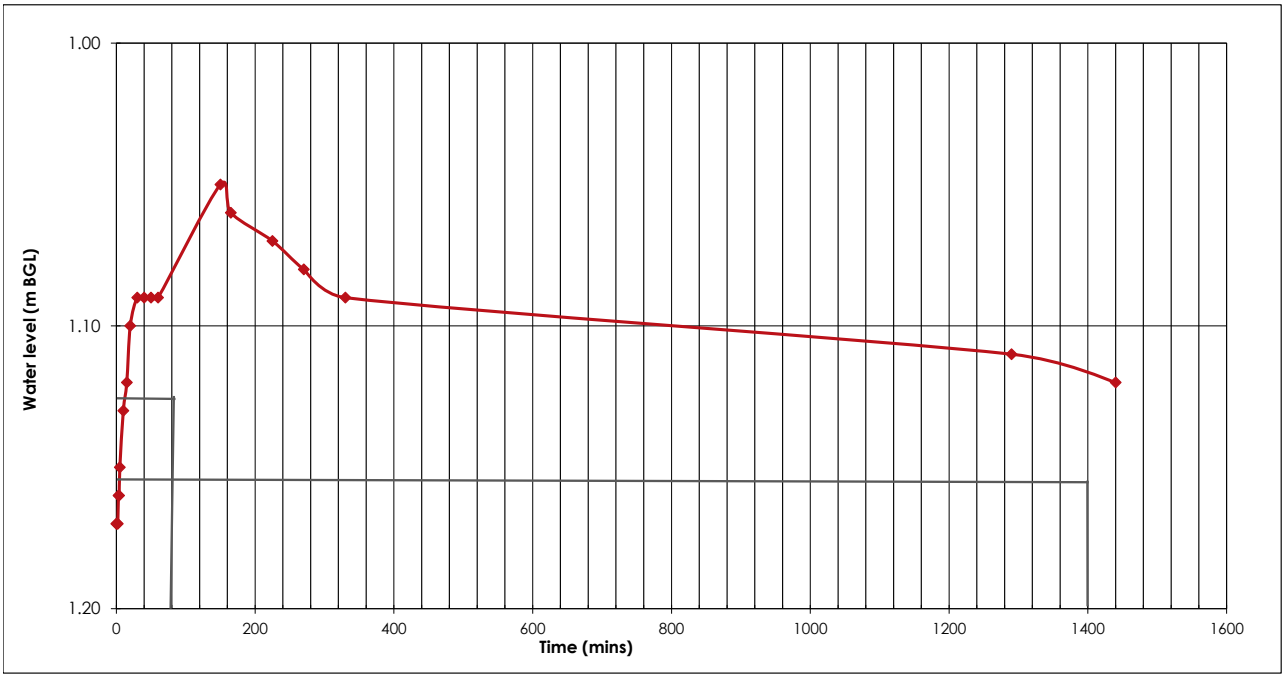
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.10
Effective depth (m)	1.17
Effective drop (m)	0.93
75% effective full depth (m)	1.40
50% effective full depth (m)	1.64
25% effective full depth (m)	1.87
t75 (min)	
t50 (min)	
t25 (min)	
Vp 75-25	0.47
Adjusted Vp for gravel fill	0.17
ap 50	3.159
tp 75-25	0.00
Soil infiltration rate (m/s)	**#DIV/0!**
Soil infiltration rate (mm/hr)	**#DIV/0!**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA01
Test reference:	A

TEST DATA	
Test start time:	11:00
Pit depth (m):	2.10
Pit width (m):	0.60
Pit length (m):	1.70
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.17
1.0	1.17
2.0	1.17
3.0	1.16
4.0	1.16
5.0	1.15
10.0	1.13
15.0	1.12
20.0	1.10
30.0	1.09
40.0	1.09
50.0	1.09
60.0	1.09
150.0	1.05
165.0	1.06
225.0	1.07
270.0	1.08
330.0	1.09
1290.0	1.11
1440.0	1.12

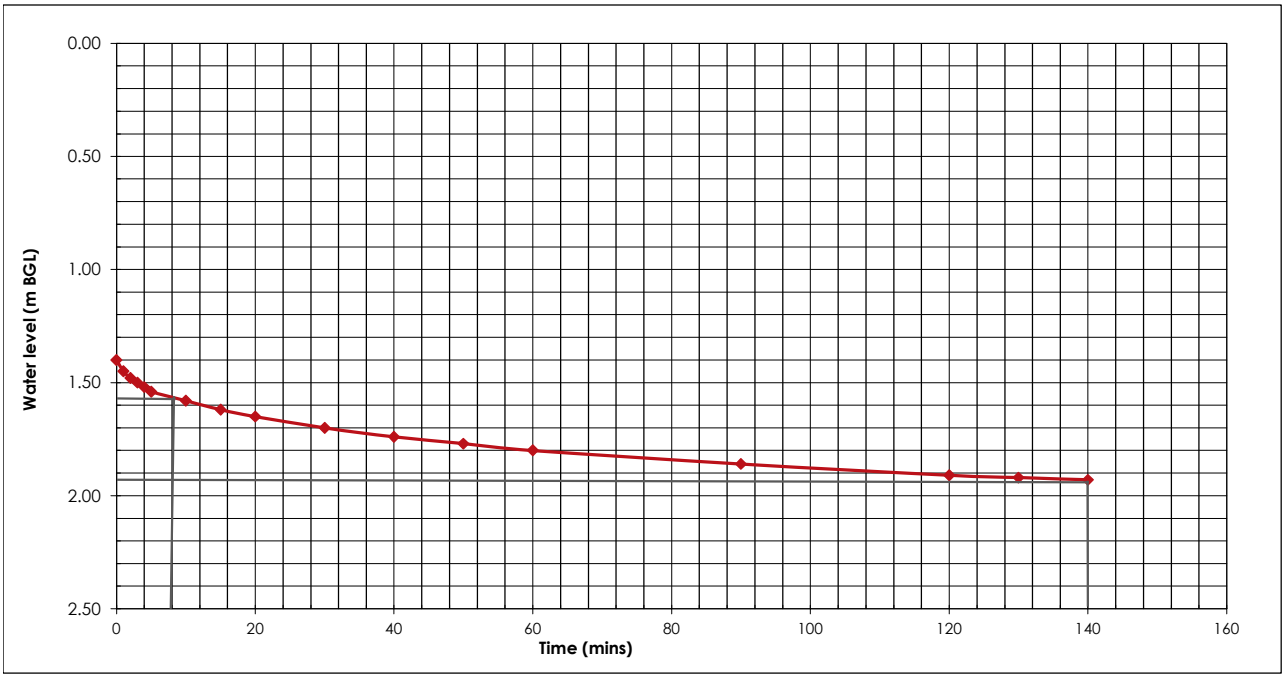
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.10
Effective depth (m)	1.17
Effective drop (m)	0.93
75% effective full depth (m)	1.40
50% effective full depth (m)	1.64
25% effective full depth (m)	1.87
t75 (min)	
t50 (min)	
t25 (min)	
Vp 75-25	0.47
Adjusted Vp for gravel fill	0.17
ap 50	3.159
tp 75-25	0.00
Soil infiltration rate (m/s)	**#DIV/0!**
Soil infiltration rate (mm/hr)	**#DIV/0!**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA02A
Test reference:	A

TEST DATA	
Test start time:	09:07
Pit depth (m):	2.10
Pit width (m):	0.60
Pit length (m):	1.70
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.40
1.0	1.45
2.0	1.48
3.0	1.50
4.0	1.52
5.0	1.54
10.0	1.58
15.0	1.62
20.0	1.65
30.0	1.70
40.0	1.74
50.0	1.77
60.0	1.80
90.0	1.86
120.0	1.91
130.0	1.92
140.0	1.93

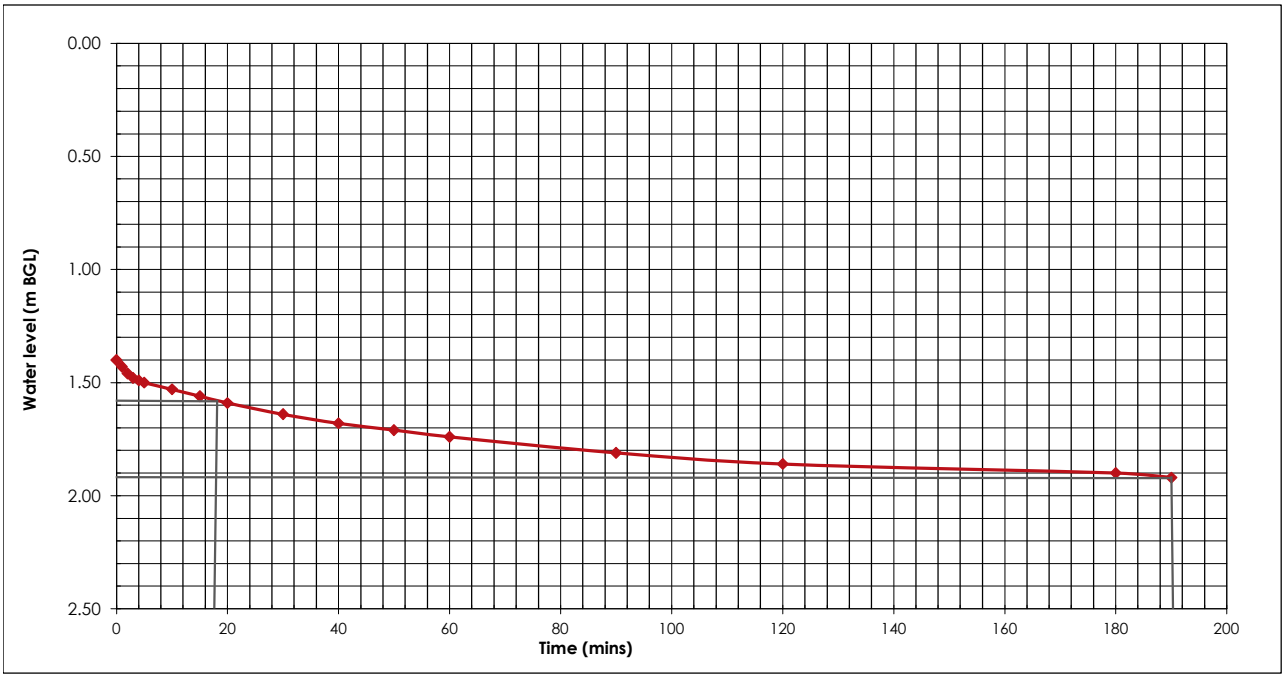
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.10
Effective depth (m)	1.40
Effective drop (m)	0.70
75% effective full depth (m)	1.58
50% effective full depth (m)	1.75
25% effective full depth (m)	1.93
t75 (min)	10.00
t50 (min)	
t25 (min)	140.00
Vp 75-25	0.36
Adjusted Vp for gravel fill	0.13
ap 50	2.63
tp 75-25	130.00
Soil infiltration rate (m/s)	**6.3E-06**
Soil infiltration rate (mm/hr)	**2.26E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA02A
Test reference:	B

TEST DATA	
Test start time:	11:27
Pit depth (m):	2.10
Pit width (m):	0.60
Pit length (m):	1.70
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.40
1.0	1.43
2.0	1.46
3.0	1.48
4.0	1.49
5.0	1.50
10.0	1.53
15.0	1.56
20.0	1.59
30.0	1.64
40.0	1.68
50.0	1.71
60.0	1.74
90.0	1.81
120.0	1.86
180.0	1.90
190.0	1.92

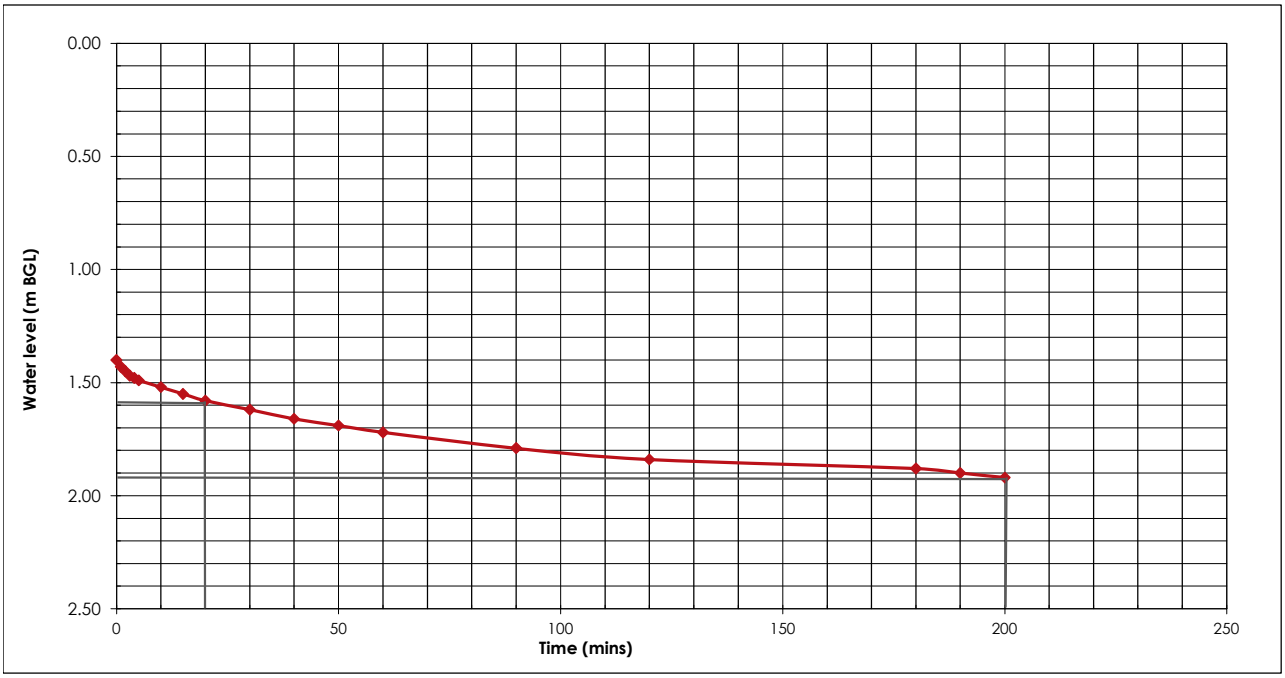
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.10
Effective depth (m)	1.40
Effective drop (m)	0.70
75% effective full depth (m)	1.58
50% effective full depth (m)	1.75
25% effective full depth (m)	1.93
t75 (min)	17.00
t50 (min)	
t25 (min)	190.00
Vp 75-25	0.36
Adjusted Vp for gravel fill	0.13
ap 50	2.63
tp 75-25	173.00
Soil infiltration rate (m/s)	**4.7E-06**
Soil infiltration rate (mm/hr)	**1.69E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA02A
Test reference:	C

TEST DATA	
Test start time:	14:12
Pit depth (m):	2.10
Pit width (m):	0.60
Pit length (m):	1.70
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.40
1.0	1.43
2.0	1.45
3.0	1.47
4.0	1.48
5.0	1.49
10.0	1.52
15.0	1.55
20.0	1.58
30.0	1.62
40.0	1.66
50.0	1.69
60.0	1.72
90.0	1.79
120.0	1.84
180.0	1.88
190.0	1.90
200.0	1.92

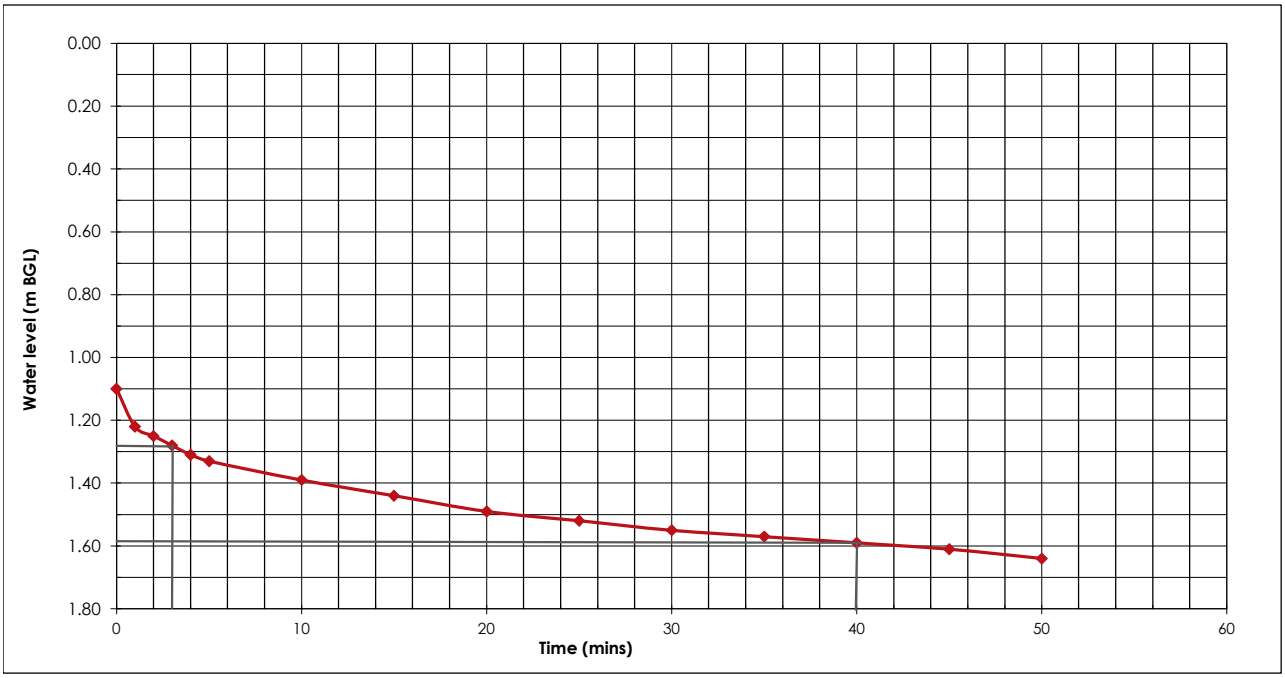
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.10
Effective depth (m)	1.40
Effective drop (m)	0.70
75% effective full depth (m)	1.58
50% effective full depth (m)	1.75
25% effective full depth (m)	1.93
t75 (min)	20.00
t50 (min)	
t25 (min)	220.00
Vp 75-25	0.36
Adjusted Vp for gravel fill	0.13
ap 50	2.63
tp 75-25	200.00
Soil infiltration rate (m/s)	**4.1E-06**
Soil infiltration rate (mm/hr)	**1.47E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA03
Test reference:	A

TEST DATA	
Test start time:	
Pit depth (m):	1.75
Pit width (m):	0.60
Pit length (m):	2.00
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.10
1.0	1.22
2.0	1.25
3.0	1.28
4.0	1.31
5.0	1.33
10.0	1.39
15.0	1.44
20.0	1.49
25.0	1.52
30.0	1.55
35.0	1.57
40.0	1.59
45.0	1.61
50.0	1.64

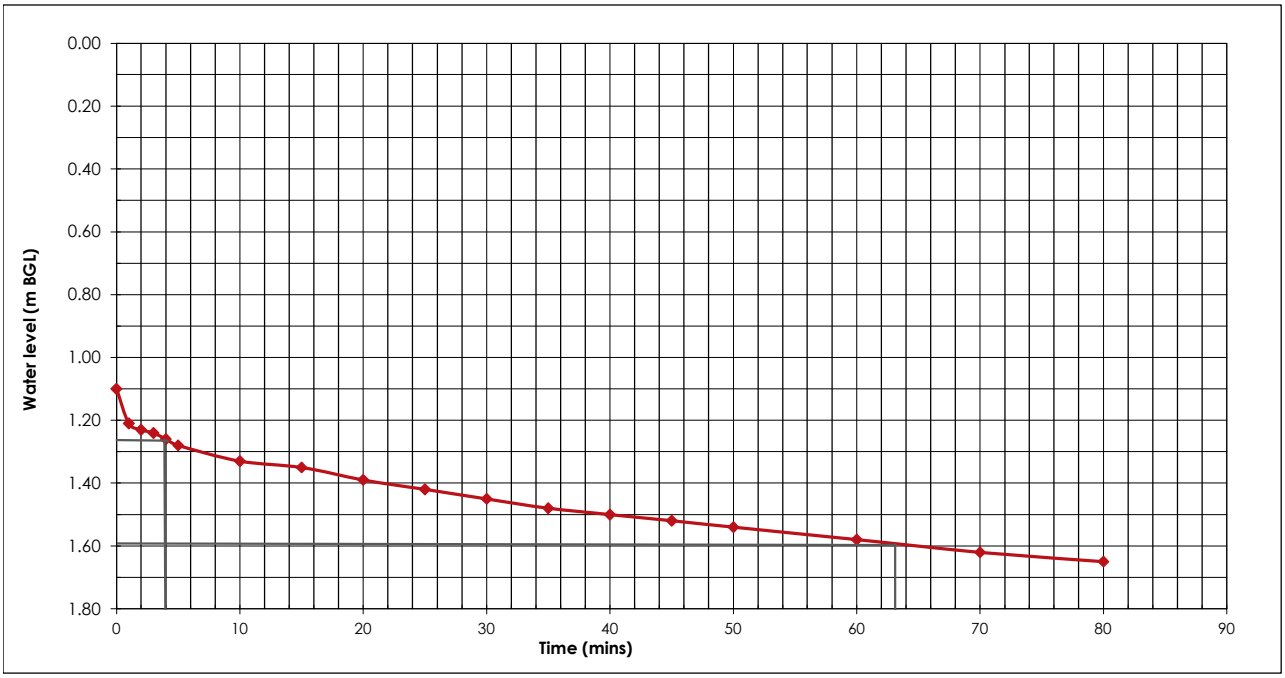
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.75
Effective depth (m)	1.10
Effective drop (m)	0.65
75% effective full depth (m)	1.26
50% effective full depth (m)	1.43
25% effective full depth (m)	1.59
t75 (min)	2.50
t50 (min)	
t25 (min)	40.00
Vp 75-25	0.39
Adjusted Vp for gravel fill	0.14
ap 50	2.89
tp 75-25	37.50
Soil infiltration rate (m/s)	**2.2E-05**
Soil infiltration rate (mm/hr)	**7.77E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA03
Test reference:	B

TEST DATA	
Test start time:	
Pit depth (m):	1.75
Pit width (m):	0.60
Pit length (m):	2.00
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.10
1.0	1.21
2.0	1.23
3.0	1.24
4.0	1.26
5.0	1.28
10.0	1.33
15.0	1.35
20.0	1.39
25.0	1.42
30.0	1.45
35.0	1.48
40.0	1.50
45.0	1.52
50.0	1.54
60.0	1.58
70.0	1.62
80.0	1.65

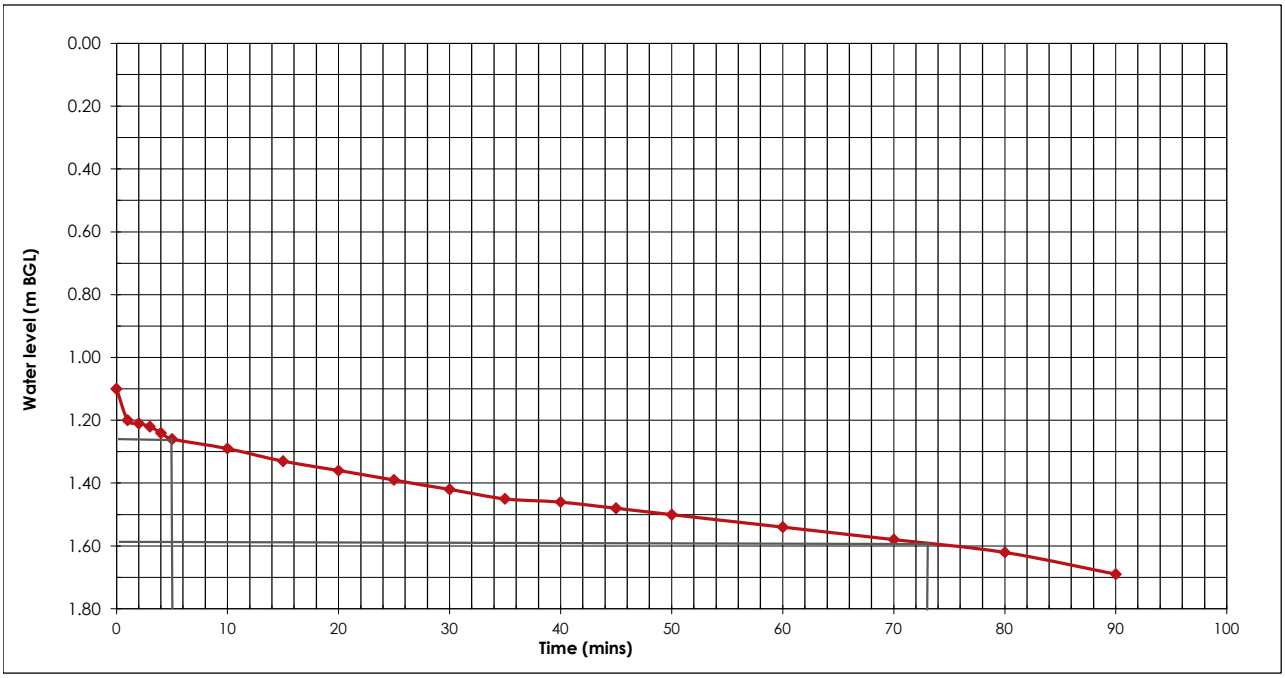
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.75
Effective depth (m)	1.10
Effective drop (m)	0.65
75% effective full depth (m)	1.26
50% effective full depth (m)	1.43
25% effective full depth (m)	1.59
t75 (min)	4.00
t50 (min)	
t25 (min)	63.00
Vp 75-25	0.39
Adjusted Vp for gravel fill	0.14
ap 50	2.89
tp 75-25	59.00
Soil infiltration rate (m/s)	**1.4E-05**
Soil infiltration rate (mm/hr)	**4.94E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA03
Test reference:	C

TEST DATA	
Test start time:	
Pit depth (m):	1.75
Pit width (m):	0.60
Pit length (m):	2.00
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.10
1.0	1.20
2.0	1.21
3.0	1.22
4.0	1.24
5.0	1.26
10.0	1.29
15.0	1.33
20.0	1.36
25.0	1.39
30.0	1.42
35.0	1.45
40.0	1.46
45.0	1.48
50.0	1.50
60.0	1.54
70.0	1.58
80.0	1.62
90.0	1.69

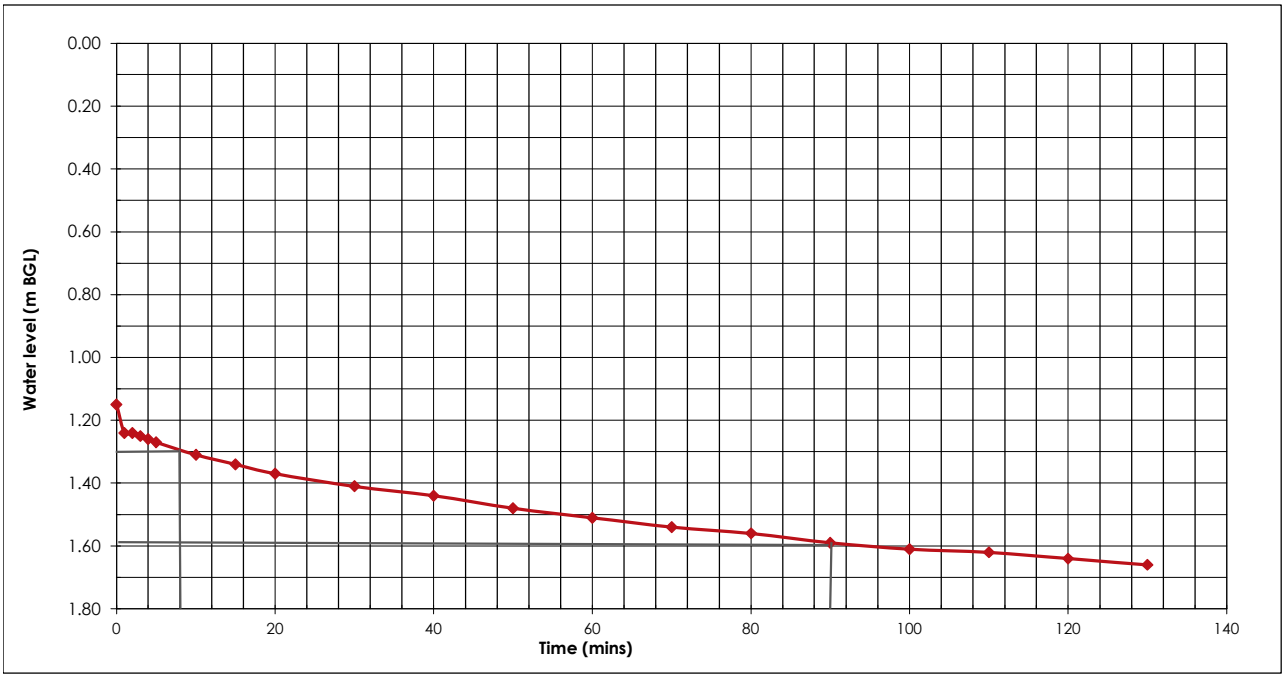
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.75
Effective depth (m)	1.10
Effective drop (m)	0.65
75% effective full depth (m)	1.26
50% effective full depth (m)	1.43
25% effective full depth (m)	1.59
t75 (min)	5.00
t50 (min)	
t25 (min)	73.00
Vp 75-25	0.39
Adjusted Vp for gravel fill	0.14
ap 50	2.89
tp 75-25	68.00
Soil infiltration rate (m/s)	**1.2E-05**
Soil infiltration rate (mm/hr)	**4.29E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA04
Test reference:	A

TEST DATA	
Test start time:	9:25
Pit depth (m):	1.73
Pit width (m):	0.60
Pit length (m):	1.90
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.15
1.0	1.24
2.0	1.24
3.0	1.25
4.0	1.26
5.0	1.27
10.0	1.31
15.0	1.34
20.0	1.37
30.0	1.41
40.0	1.44
50.0	1.48
60.0	1.51
70.0	1.54
80.0	1.56
90.0	1.59
100.0	1.61
110.0	1.62
120.0	1.64
130.0	1.66

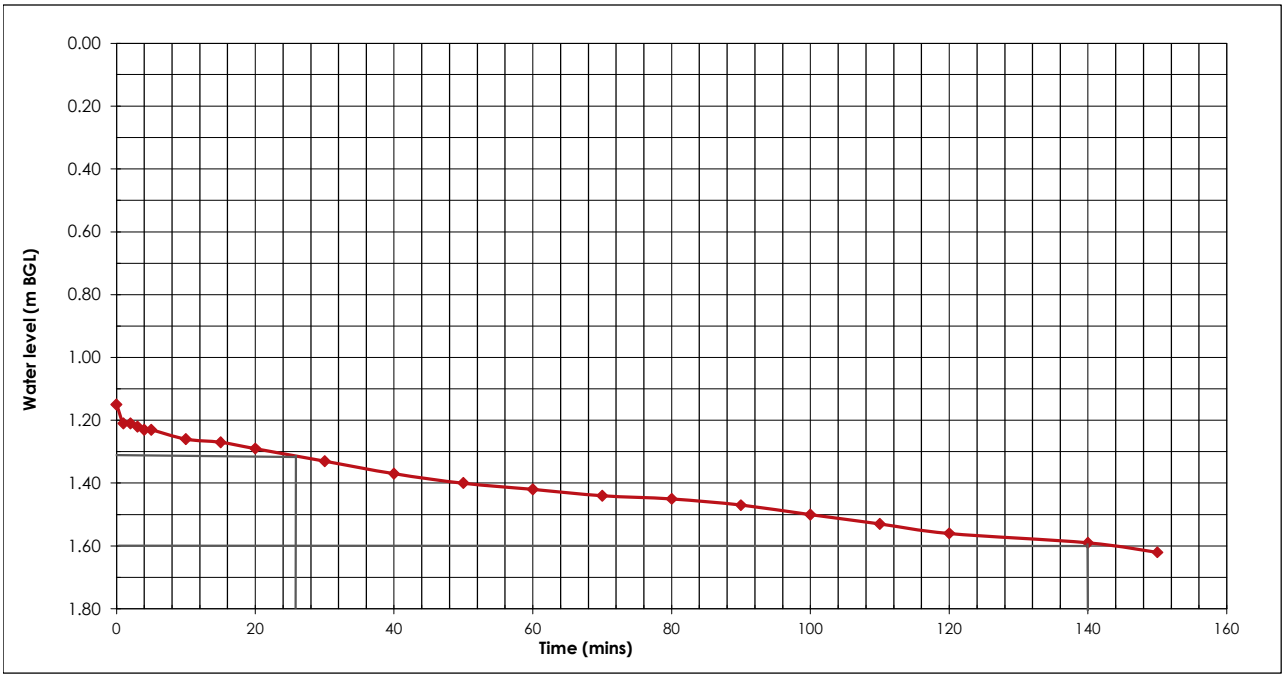
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.73
Effective depth (m)	1.15
Effective drop (m)	0.58
75% effective full depth (m)	1.30
50% effective full depth (m)	1.44
25% effective full depth (m)	1.59
t75 (min)	7.00
t50 (min)	
t25 (min)	90.00
Vp 75-25	0.33
Adjusted Vp for gravel fill	0.12
ap 50	2.59
tp 75-25	83.00
Soil infiltration rate (m/s)	**9.2E-06**
Soil infiltration rate (mm/hr)	**3.32E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA04
Test reference:	B

TEST DATA	
Test start time:	11:40
Pit depth (m):	1.73
Pit width (m):	0.60
Pit length (m):	1.90
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.15
1.0	1.21
2.0	1.21
3.0	1.22
4.0	1.23
5.0	1.23
10.0	1.26
15.0	1.27
20.0	1.29
30.0	1.33
40.0	1.37
50.0	1.40
60.0	1.42
70.0	1.44
80.0	1.45
90.0	1.47
100.0	1.50
110.0	1.53
120.0	1.56
140.0	1.59
150.0	1.62

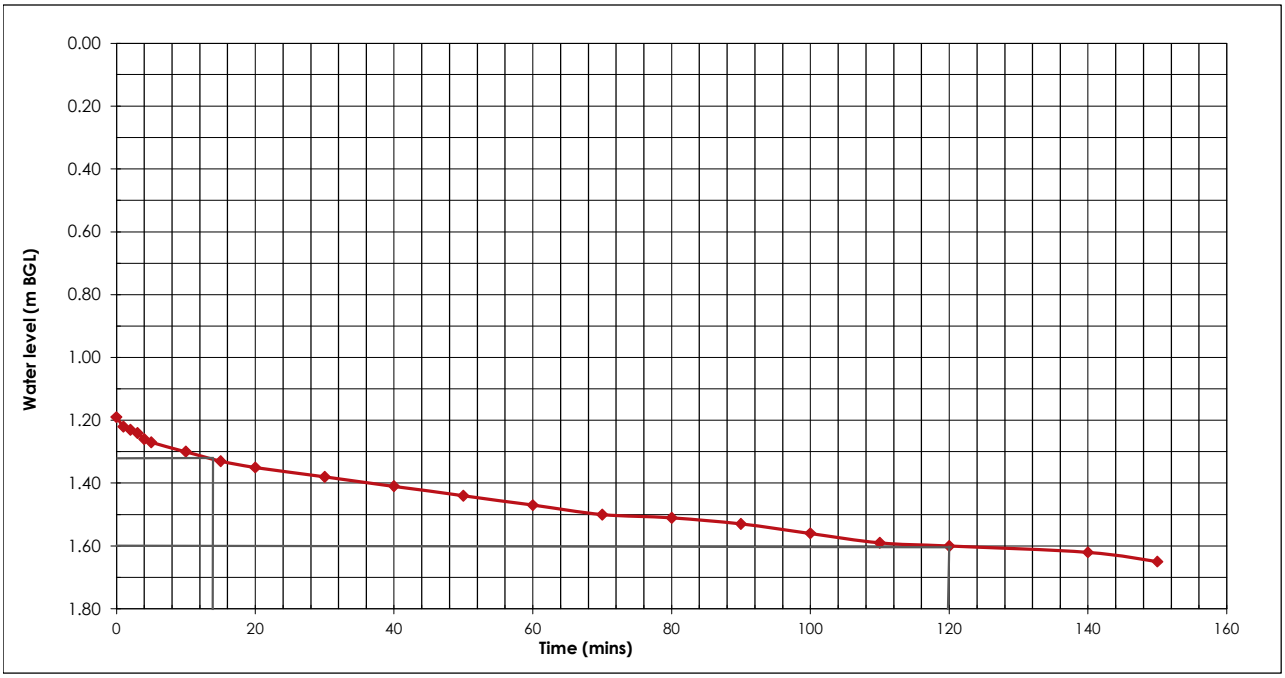
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.73
Effective depth (m)	1.15
Effective drop (m)	0.58
75% effective full depth (m)	1.30
50% effective full depth (m)	1.44
25% effective full depth (m)	1.59
t75 (min)	25.00
t50 (min)	
t25 (min)	140.00
Vp 75-25	0.33
Adjusted Vp for gravel fill	0.12
ap 50	2.59
tp 75-25	115.00
Soil infiltration rate (m/s)	**6.7E-06**
Soil infiltration rate (mm/hr)	**2.40E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA04
Test reference:	C

TEST DATA	
Test start time:	
Pit depth (m):	1.73
Pit width (m):	0.60
Pit length (m):	1.90
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.19
1.0	1.22
2.0	1.23
3.0	1.24
4.0	1.26
5.0	1.27
10.0	1.30
15.0	1.33
20.0	1.35
30.0	1.38
40.0	1.41
50.0	1.44
60.0	1.47
70.0	1.50
80.0	1.51
90.0	1.53
100.0	1.56
110.0	1.59
120.0	1.60
140.0	1.62
150.0	1.65

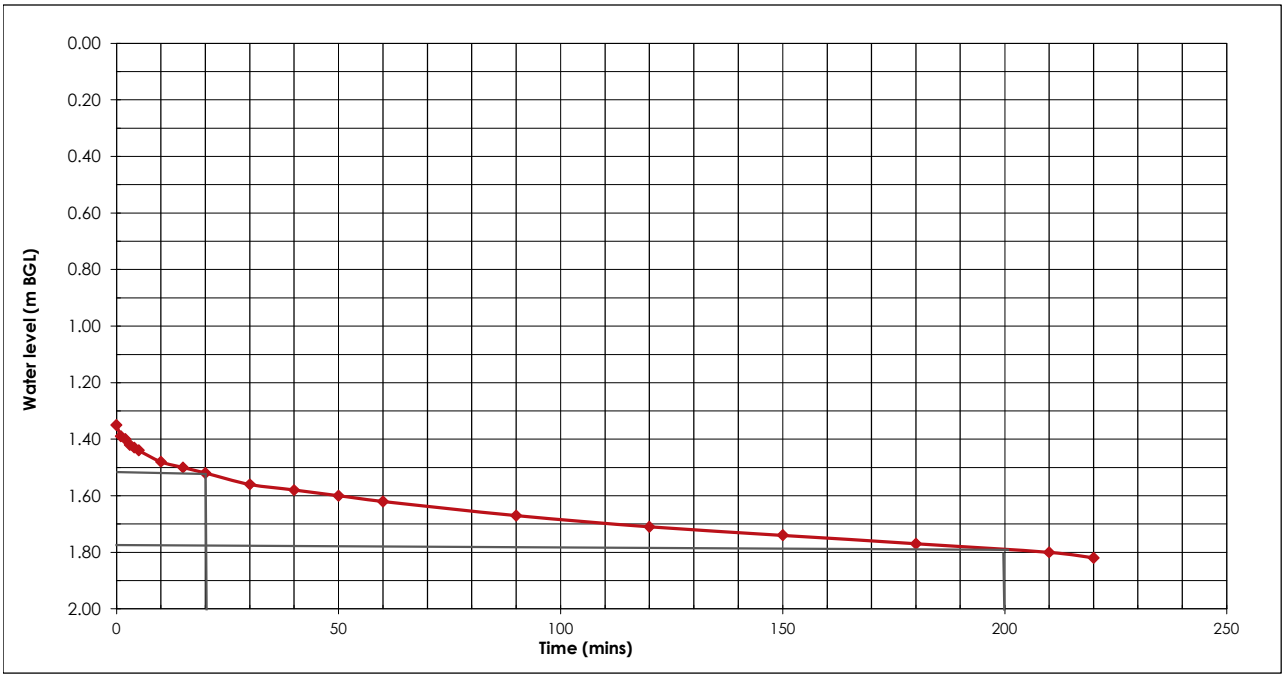
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.73
Effective depth (m)	1.19
Effective drop (m)	0.54
75% effective full depth (m)	1.33
50% effective full depth (m)	1.46
25% effective full depth (m)	1.60
t75 (min)	15.00
t50 (min)	
t25 (min)	120.00
Vp 75-25	0.31
Adjusted Vp for gravel fill	0.11
ap 50	2.49
tp 75-25	105.00
Soil infiltration rate (m/s)	**7.1E-06**
Soil infiltration rate (mm/hr)	**2.54E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA05
Test reference:	A

TEST DATA	
Test start time:	8:16
Pit depth (m):	1.98
Pit width (m):	0.60
Pit length (m):	1.73
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.35
1.0	1.39
2.0	1.40
3.0	1.42
4.0	1.43
5.0	1.44
10.0	1.48
15.0	1.50
20.0	1.52
30.0	1.56
40.0	1.58
50.0	1.60
60.0	1.62
90.0	1.67
120.0	1.71
150.0	1.74
180.0	1.77
210.0	1.80
220.0	1.82

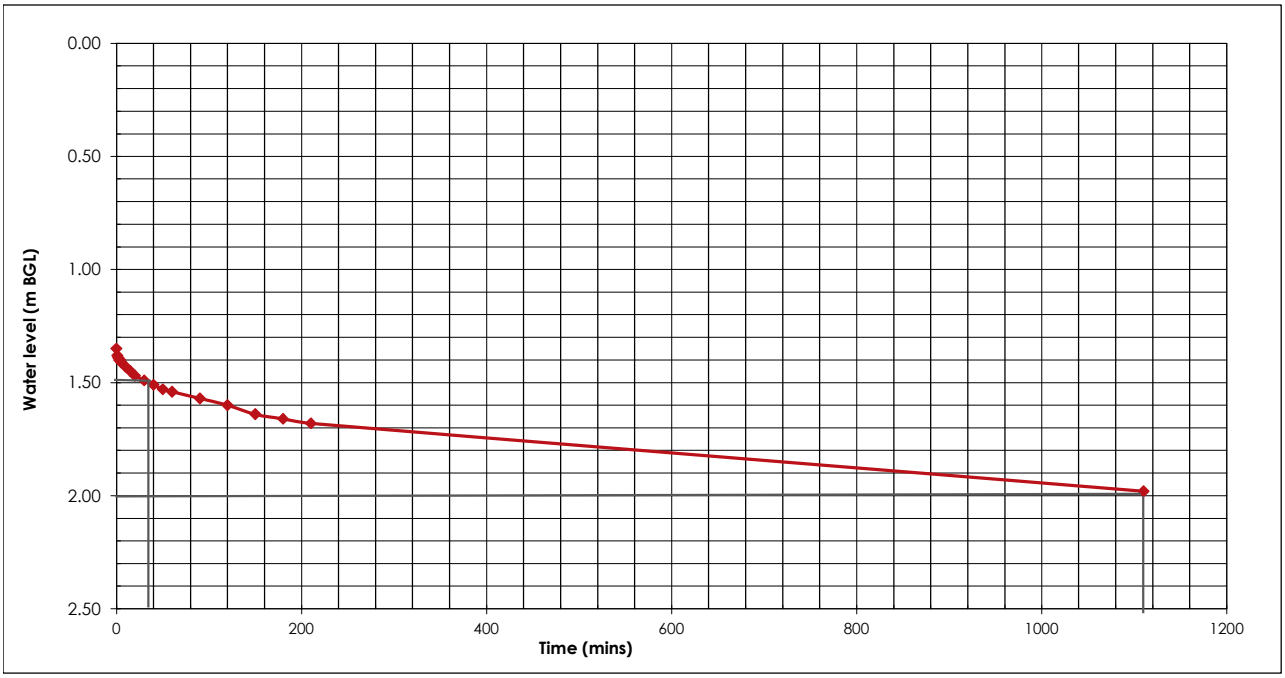
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.98
Effective depth (m)	1.35
Effective drop (m)	0.63
75% effective full depth (m)	1.51
50% effective full depth (m)	1.67
25% effective full depth (m)	1.82
t75 (min)	20.00
t50 (min)	
t25 (min)	220.00
Vp 75-25	0.33
Adjusted Vp for gravel fill	0.12
ap 50	2.5059
tp 75-25	200.00
Soil infiltration rate (m/s)	**3.9E-06**
Soil infiltration rate (mm/hr)	**1.41E+01**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA05
Test reference:	B

TEST DATA	
Test start time:	13:26
Pit depth (m):	1.98
Pit width (m):	0.60
Pit length (m):	1.73
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.35
1.0	1.38
2.0	1.39
3.0	1.40
4.0	1.40
5.0	1.41
10.0	1.43
15.0	1.45
20.0	1.47
30.0	1.49
40.0	1.51
50.0	1.53
60.0	1.54
90.0	1.57
120.0	1.60
150.0	1.64
180.0	1.66
210.0	1.68
1110.0	1.98

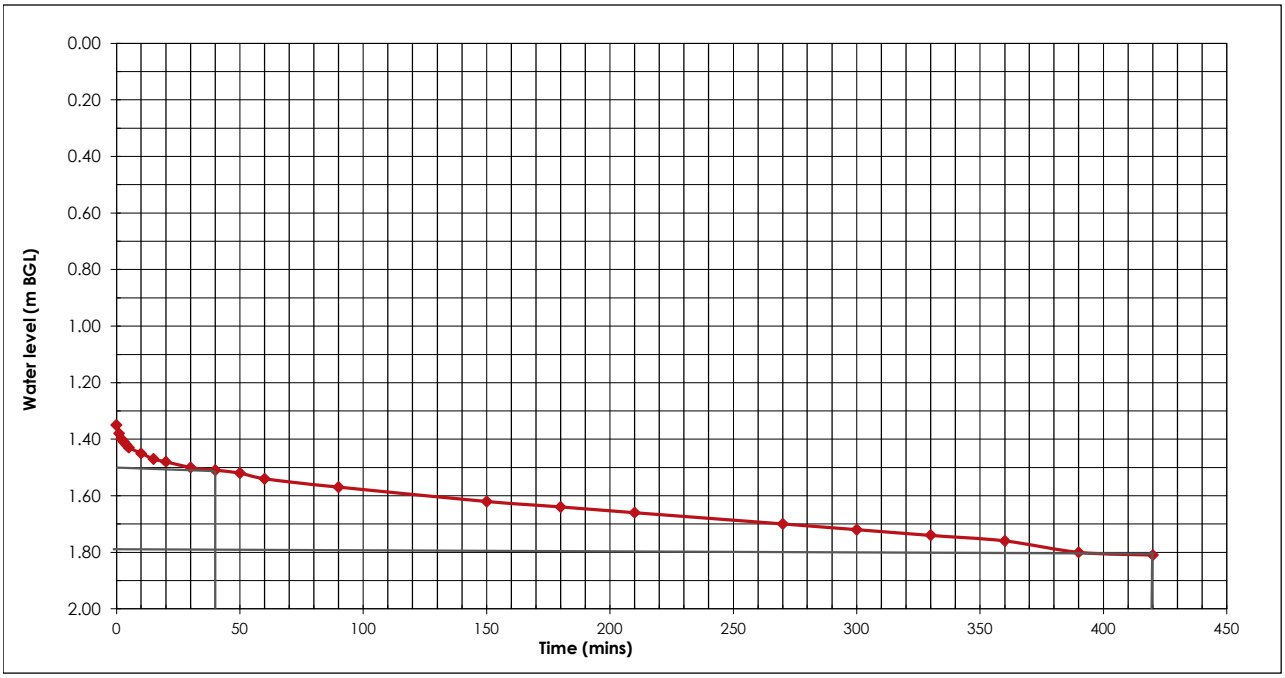
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.98
Effective depth (m)	1.35
Effective drop (m)	0.63
75% effective full depth (m)	1.51
50% effective full depth (m)	1.67
25% effective full depth (m)	1.82
t75 (min)	40.00
t50 (min)	
t25 (min)	1110.00
Vp 75-25	0.33
Adjusted Vp for gravel fill	0.12
ap 50	2.5059
tp 75-25	1070.00
Soil infiltration rate (m/s)	**7.3E-07**
Soil infiltration rate (mm/hr)	**2.63E+00**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA05
Test reference:	C

TEST DATA	
Test start time:	08:02
Pit depth (m):	1.98
Pit width (m):	0.60
Pit length (m):	1.73
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.35
1.0	1.38
2.0	1.40
3.0	1.41
4.0	1.42
5.0	1.43
10.0	1.45
15.0	1.47
20.0	1.48
30.0	1.50
40.0	1.51
50.0	1.52
60.0	1.54
90.0	1.57
150.0	1.62
180.0	1.64
210.0	1.66
270.0	1.70
300.0	1.72
330.0	1.74
360.0	1.76
390.0	1.80
420.0	1.81

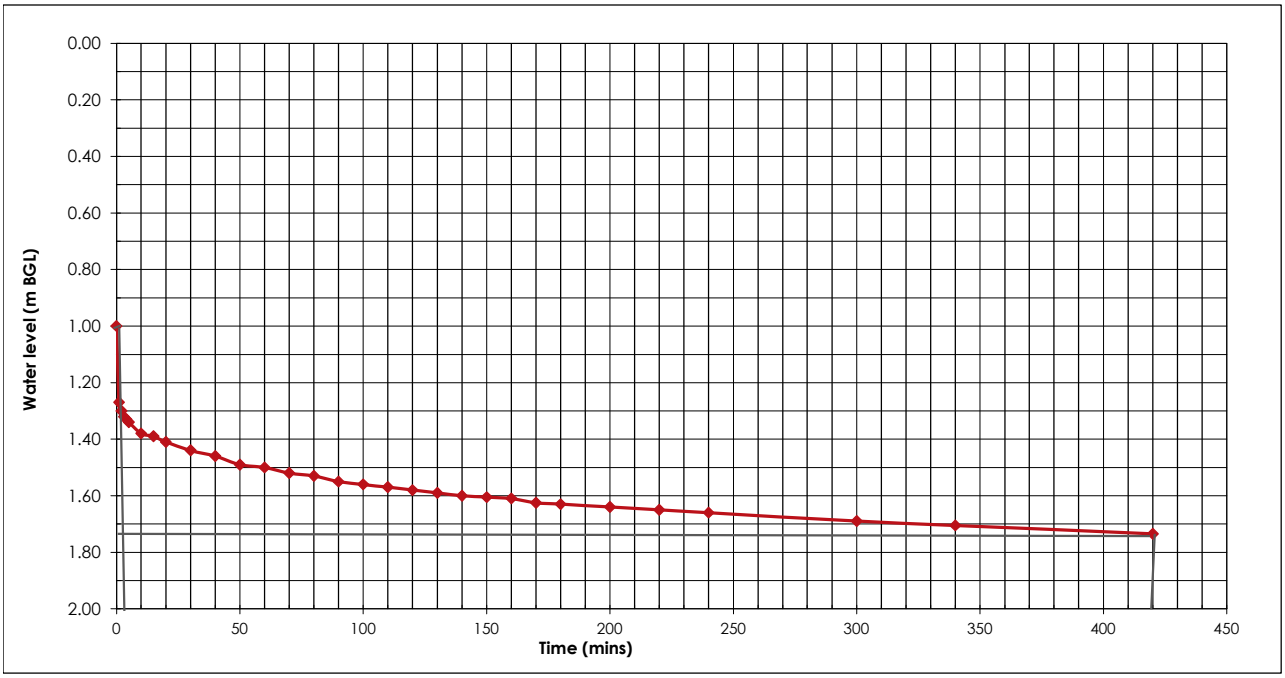
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	1.98
Effective depth (m)	1.35
Effective drop (m)	0.63
75% effective full depth (m)	1.51
50% effective full depth (m)	1.67
25% effective full depth (m)	1.82
t75 (min)	40.00
t50 (min)	
t25 (min)	420.00
Vp 75-25	0.33
Adjusted Vp for gravel fill	0.12
ap 50	2.5059
tp 75-25	380.00
Soil infiltration rate (m/s)	**2.1E-06**
Soil infiltration rate (mm/hr)	**7.42E+00**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA06
Test reference:	A

TEST DATA	
Test start time:	
Pit depth (m):	2.00
Pit width (m):	0.60
Pit length (m):	1.68
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.00
1.0	1.27
2.0	1.30
3.0	1.32
4.0	1.33
5.0	1.34
10.0	1.38
15.0	1.39
20.0	1.41
30.0	1.44
40.0	1.46
50.0	1.49
60.0	1.50
70.0	1.52
80.0	1.53
90.0	1.55
100.0	1.56
110.0	1.57
120.0	1.58
130.0	1.59
140.0	1.60
150.0	1.61
160.0	1.61
170.0	1.63
180.0	1.63
200.0	1.64
220.0	1.65
240.0	1.66
300.0	1.69
340.0	1.71
420.0	1.74

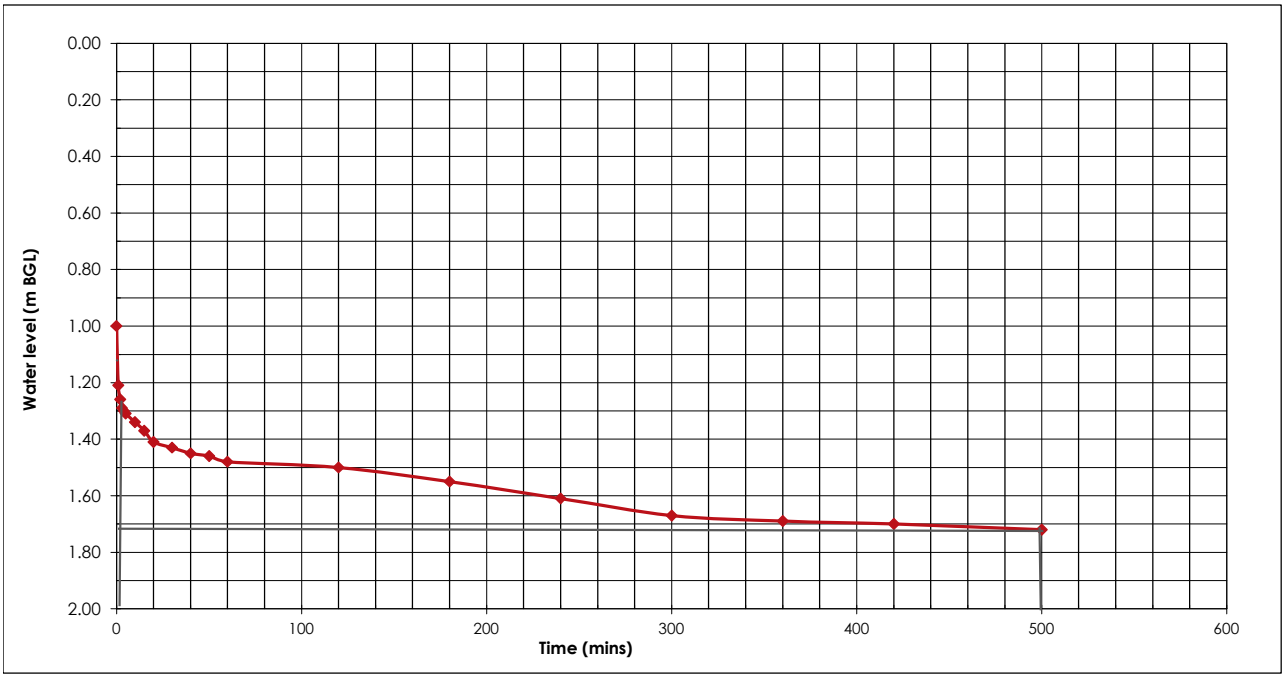
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.00
Effective depth (m)	1.00
Effective drop (m)	1.00
75% effective full depth (m)	1.25
50% effective full depth (m)	1.50
25% effective full depth (m)	1.75
t75 (min)	1.00
t50 (min)	
t25 (min)	420.00
Vp 75-25	0.50
Adjusted Vp for gravel fill	0.18
ap 50	3.288
tp 75-25	419.00
Soil infiltration rate (m/s)	**2.2E-06**
Soil infiltration rate (mm/hr)	**7.90E+00**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA06
Test reference:	B

TEST DATA	
Test start time:	07:43
Pit depth (m):	2.00
Pit width (m):	0.60
Pit length (m):	1.68
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.00
1.0	1.21
2.0	1.26
3.0	1.29
4.0	1.30
5.0	1.31
10.0	1.34
15.0	1.37
20.0	1.41
30.0	1.43
40.0	1.45
50.0	1.46
60.0	1.48
120.0	1.50
180.0	1.55
240.0	1.61
300.0	1.67
360.0	1.69
420.0	1.70
500.0	1.72

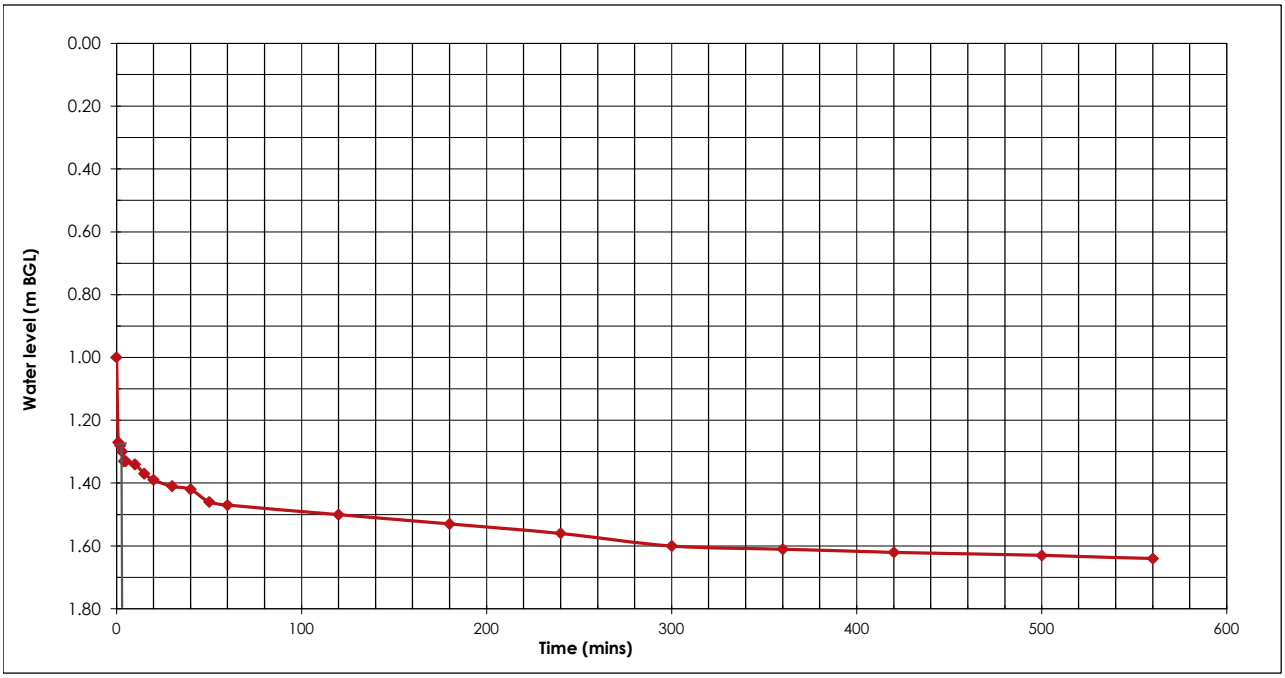
Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.00
Effective depth (m)	1.00
Effective drop (m)	1.00
75% effective full depth (m)	1.25
50% effective full depth (m)	1.50
25% effective full depth (m)	1.75
t75 (min)	1.80
t50 (min)	
t25 (min)	500.00
Vp 75-25	0.50
Adjusted Vp for gravel fill	0.18
ap 50	3.288
tp 75-25	498.20
Soil infiltration rate (m/s)	**1.8E-06**
Soil infiltration rate (mm/hr)	**6.65E+00**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

TRIAL PIT SOAKAWAY TEST

Project Information	
Project:	ILP North
Project No:	233398
Client:	Tritax Big Box
Pit reference:	SA06
Test reference:	C

TEST DATA	
Test start time:	08:15
Pit depth (m):	2.00
Pit width (m):	0.60
Pit length (m):	1.68
Depth to standing water (m):	



Time (min)	Depth (m)
0.0	1.00
1.0	1.27
2.0	1.28
3.0	1.30
4.0	1.33
5.0	1.33
10.0	1.34
15.0	1.37
20.0	1.39
30.0	1.41
40.0	1.42
50.0	1.46
60.0	1.47
120.0	1.50
180.0	1.53
240.0	1.56
300.0	1.60
360.0	1.61
420.0	1.62
500.0	1.63
560.0	1.64

Test Information and Calculation	
Method of calculation	Linear extrapolation
Pit gravel filled? (Yes/No)	yes
Max. depth (m)	2.00
Effective depth (m)	1.00
Effective drop (m)	1.00
75% effective full depth (m)	1.25
50% effective full depth (m)	1.50
25% effective full depth (m)	1.75
t75 (min)	0.80
t50 (min)	
t25 (min)	1440.00
Vp 75-25	0.50
Adjusted Vp for gravel fill	0.18
ap 50	3.288
tp 75-25	1439.20
Soil infiltration rate (m/s)	**6.4E-07**
Soil infiltration rate (mm/hr)	**2.30E+00**

Notes:	
1	Pale green cells require input data.
2	Method of calculation Infiltration calculated to method in 'BRE Digest 365 (2007) - Soakaway Linear extrapolation is non BRE Digest method, but perhaps more accurate.
3	First line of table must be depth at time = 0 sec

Appendix 11: Soil Chemical Results Summary

Determinand	Number of tests	Range (mg/kg)	S4UL Commercial GSAC (m	Detection Limit (mg/kg)	Min	Max	No. of Exceedances	No. Non detects
Arsenic	61	< 0.5 to 18	6.40E+02	0.5	< 0.5	18	0	3
Barium	61	5.9 to 280	2.21E+04	0.5	5.9	280	0	0
Beryllium	61	0.08 to 1.1	1.20E+01	0.5	0.08	1.1	0	1
Boron	61	< 0.4 to 3.2	2.40E+05	0.4	< 0.4	3.2	0	3
Cadmium	61	< 0.1 to 0.5	1.90E+02	0.1	< 0.1	0.5	0	33
Chromium VI	61	< 0.5 to 1.8	3.30E+01	0.5	< 0.5	1.8	0	61
Chromium III	61	5 to 81	8.60E+03	0.5	5	81	0	0
Copper	61	3.2 to 89	6.80E+04	0.5	3.2	89	0	0
Lead	61	1.7 to 190	2.33E+03	0.5	1.7	190	0	0
Inorganic Mercury	61	< 0.05 to 0.3	1.10E+03	0.05	< 0.05	0.3	0	61
Nickel	61	2 to 27	9.80E+02	0.5	2	27	0	0
Selenium	61	< 0.25 to 4.7	1.20E+04	0.25	< 0.25	4.7	0	45
Vanadium	61	2.5 to 46	9.00E+03	0.5	2.5	46	0	0
Zinc	61	6.3 to 220	7.30E+05	0.5	6.3	220	0	0
pH	61	5 to 9.3	<4.5 >9.5	4	5	9.3	0	0
Cyanide (free)	61	< 0.5 to 1	4.30E+01	0.5	< 0.5	1	0	61
Cyanide (Complex)	61	< 0.5 to 1	2.13E+02	0.5	< 0.5	1	0	61
Phenol	61	< 0.1 to 1	4.40E+02	0.1	< 0.1	1	0	61
Benzene	0	0 to 0	2.70E+01	1	0	0	0	0
Toluene	0	0 to 0	5.60E+04	1	0	0	0	0
Ethylbenzene	0	0 to 0	5.70E+03	1	0	0	0	0
Total Xylene	0	0 to 0	5.90E+03	0.001	0	0	0	0
TPH (EC5-6) aliphatic	0	0 to 0	3.20E+03	1	0	0	0	0
TPH (>EC6-8) aliphatic	0	0 to 0	7.80E+03	1	0	0	0	0
TPH (>EC8-10) aliphatic	0	0 to 0	2.00E+03	1	0	0	0	0
TPH (>EC10-12) aliphatic	0	0 to 0	9.70E+03	1	0	0	0	0
TPH (>EC12-16) aliphatic	0	0 to 0	5.90E+04	1	0	0	0	0
TPH (>EC16-21) aliphatic	0	0 to 0	1.60E+06	1	0	0	0	0
TPH (>EC21-35) aliphatic	0	0 to 0	1.60E+06	0	0	0	0	0
TPH (>EC35-44) aliphatic	0	0 to 0	1.60E+06	1	0	0	0	0
TPH (>EC6-7) aromatic (benzene)	0	0 to 0	2.60E+04	1	0	0	0	0
TPH (>EC7-8) aromatic (toluene)	0	0 to 0	5.60E+04	1	0	0	0	0
TPH (>EC8-10) aromatic	0	0 to 0	3.50E+03	1	0	0	0	0
TPH (>EC10-12) aromatic	0	0 to 0	1.60E+04	1	0	0	0	0
TPH (>EC12-16) aromatic	0	0 to 0	3.60E+04	1	0	0	0	0
TPH (>EC16-21) aromatic	0	0 to 0	2.80E+04	1	0	0	0	0
TPH (>EC21-35) aromatic	0	0 to 0	2.80E+04	1	0	0	0	0
TPH (>EC35-44) aromatic	0	0 to 0	2.80E+04	1	0	0	0	0
Total TPH	61	< 10 to 1400	5.00E+02	10	< 10	1400	1	47
Naphthalene	61	< 0.1 to 0.9	1.90E+02	0.1	< 0.1	0.9	0	54
Acenaphthylene	61	< 0.1 to 0.05	8.30E+04	0.1	< 0.1	0.05	0	61
Acenaphthene	61	< 0.1 to 0.29	8.40E+04	0.1	< 0.1	0.29	0	49
Fluorene	61	< 0.1 to 0.24	6.30E+04	0.1	< 0.1	0.24	0	51
Phenanthrene	61	< 0.1 to 1.5	2.20E+04	0.1	< 0.1	1.5	0	35
Anthracene	61	< 0.1 to 0.33	5.20E+05	0.1	< 0.1	0.33	0	47
Fluoranthene	61	< 0.1 to 1.9	2.30E+04	0.1	< 0.1	1.9	0	30
Pyrene	61	< 0.1 to 1.8	5.40E+04	0.1	< 0.1	1.8	0	31
Benzo(a)anthracene	61	< 0.1 to 0.87	1.70E+02	0.1	< 0.1	0.87	0	34
Chrysene	61	< 0.1 to 0.95	3.50E+02	0.1	< 0.1	0.95	0	33
Benzo(b)fluoranthene	61	< 0.1 to 1	4.40E+01	0.1	< 0.1	1	0	35
Benzo(k)fluoranthene	61	< 0.1 to 0.4	1.20E+03	0.1	< 0.1	0.4	0	38
Benzo(a)pyrene	61	< 0.1 to 0.97	3.50E+01	0.1	< 0.1	0.97	0	34
Indeno(123-cd)pyrene	61	< 0.1 to 0.42	5.00E+02	0.1	< 0.1	0.42	0	37
Dibenzo(ah)anthracene	61	< 0.1 to 0.1	3.50E+00	0.1	< 0.1	0.1	0	55
Benzo(g,h,i)perylene	61	< 0.1 to 0.5	3.90E+03	0.1	< 0.1	0.5	0	37
Coal Tar (B(a)P as surrogate mark	61	< 0.1 to 0.97	1.50E+01	0.1	< 0.1	0.97	0	34
Tetrachloroethene (PCE)	0	0 to 0	1.90E+01	0	0	0	0	0
Trichloroethene (TCE)	0	0 to 0	1.20E+00	0	0	0	0	0
cis-1,2-Dichloroethene	0	0 to 0	1.40E+01	0	0	0	0	0
Vinyl Chloride (VC)	0	0 to 0	5.90E-02	0	0	0	0	0

Appendix 11: Soil Chemical Results Summary

Strata												TOPSOIL	TILL	TOPSOIL	TILL	TOPSOIL	TILL	MADE GROUND	TILL	TOPSOIL
Lab Sample No.:												539285	539286	539290	539291	539283	539284	539287	539288	610733
Client Sample ID.:												DS01	DS01	DS02	DS02	DS03	DS03	DS04	DS04	DS06A (DS05A)
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.20	0.50	0.10	3.00	0.10	2.00	0.20	1.50	0.20
Date Sampled:												28-Apr-2025	28-Apr-2025	25-Apr-2025	25-Apr-2025	28-Apr-2025	28-Apr-2025	25-Apr-2025	25-Apr-2025	09-Jul-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			5.40	13.00	17.00	16.00	15.00	10.00	12.00	11.00	-
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.10	-
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	-	-	-	-	-	-	-	Not-detected
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			7.00	8.20	6.20	6.40	7.90	7.30	7.70	8.00	-
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			750.00	130.00	600.00	< 50 *n	680.00	140.00	600.00	160.00	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			50.00	85.00	26.00	33.00	45.00	93.00	46.00	68.00	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.02	0.04	0.01	0.02	0.02	0.05	0.02	0.03	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			24.80	42.70	12.70	16.50	22.50	46.60	22.70	34.10	-
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			340.00	66.00	380.00	< 50 *n	310.00	56.00	440.00	100.00	-
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			4.10	0.50	7.70	0.40	4.50	0.50	5.60	1.00	-
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	0.12	< 0.05	< 0.05	< 0.05	0.06	< 0.05	0.14	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	0.25	< 0.05	0.11	< 0.05	0.15	< 0.05	0.26	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	0.24	< 0.05	0.11	< 0.05	0.14	< 0.05	0.24	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	0.12	< 0.05	< 0.05	< 0.05	0.09	< 0.05	0.13	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	0.15	< 0.05	0.07	< 0.05	0.11	< 0.05	0.16	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	0.19	< 0.05	< 0.05	< 0.05	0.13	< 0.05	0.21	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	0.06	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	0.15	< 0.05	0.08	< 0.05	< 0.05	< 0.05	0.15	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	0.08	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	0.08	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05	-
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			1.43	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	1.52	< 0.80	-
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	9.70	6.20	8.20	1.80	9.10	8.20	12.00	4.80	-
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			71.00	56.00	67.00	36.00	79.00	68.00	110.00	65.00	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	0.66	0.74	0.56	0.52	0.71	0.80	0.96	0.84	-
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.70	0.60	0.50	0.20	0.70	0.30	0.80	0.30	-
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	0.40	< 0.2	0.40	< 0.2	0.40	< 0.2	0.50	< 0.2	-
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	24.00	36.00	18.00	16.00	21.00	21.00	30.00	25.00	-
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	25.00	19.00	28.00	14.00	28.00	14.00	35.00	17.00	-
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	39.00	9.50	190.00	5.80	44.00	7.30	46.00	7.70	-
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	16.00	20.00	12.00	14.00	16.00	27.00	22.00	26.00	-
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	< 1.0	< 1.0	1.20	< 1.0	< 1.0	< 1.0	1.30	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	27.00	31.00	21.00	17.00	25.00	22.00	32.00	26.00	-
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	57.00	31.00	64.00	27.00	51.00	39.00	69.00	44.00	-
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			180.00	10.00	14.00	< 10	< 10	< 10	< 10	< 10	-
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			< 10	-	< 10	-	-	-	-	-	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			30.00	-	76.00	-	-	-	-	-	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-

Appendix 11: Soil Chemical Results Summary

Strata												TOPSOIL	TILL	TOPSOIL	TILL	TOPSOIL	TILL	MADE GROUND	TILL	TOPSOIL
Lab Sample No.:												539285	539286	539290	539291	539283	539284	539287	539288	610733
Client Sample ID.:												DS01	DS01	DS02	DS02	DS03	DS03	DS04	DS04	DS06A (DS05A)
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.20	0.50	0.10	3.00	0.10	2.00	0.20	1.50	0.20
Date Sampled:												28-Apr-2025	28-Apr-2025	25-Apr-2025	25-Apr-2025	28-Apr-2025	28-Apr-2025	25-Apr-2025	25-Apr-2025	09-Jul-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			24.00	-	18.00	-	-	-	-	-	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	< 10	-	-	-	-	-	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	< 10	-	-	-	-	-	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	-	-	-	-	-	< 0.1	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	< 0.1	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	< 0.1	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	-	-	-	-	-	0.20	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	-	-	-	-	-	0.10	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	< 0.1	-	-
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
										Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Total Number of Samples	73

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												TILL	TOPSOIL	TILL	TOPSOIL	TOPSOIL	MADE GROUND	MADE GROUND	TOPSOIL	TOPSOIL
Lab Sample No.:												539289	539302	539303	539294	539293	539292	610730	610725	610722
Client Sample ID.:												DS05	DS06	DS06	DS07	DS08	DS09	DS09A	DS11A	DS14A
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.50	0.40	1.40	0.20	0.10	0.10	0.20	0.20	0.20
Date Sampled:												25-Apr-2025	01-May-2025	01-May-2025	23-Apr-2025	23-Apr-2025	23-Apr-2025	09-Jul-2025	09-Jul-2025	09-Jul-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			11.00	14.00	14.00	19.00	15.00	11.00	-	-	-
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			0.30	0.60	0.60	0.80	0.60	0.60	-	-	-
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	-	-	-	-	-	Not-detected	Not-detected	Not-detected
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			7.80	7.70	7.70	7.50	7.80	7.60	-	-	-
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	-	-
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	-	-
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	-	-
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			160.00	610.00	100.00	840.00	660.00	580.00	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			50.00	40.00	31.00	62.00	32.00	45.00	-	-	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.03	0.02	0.02	0.03	0.02	0.02	-	-	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			25.10	19.80	15.40	31.10	15.70	22.50	-	-	-
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			70.00	230.00	< 50	400.00	320.00	220.00	-	-	-
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			0.90	3.20	0.40	5.90	4.00	2.70	-	-	-
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	-	-	-
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	< 0.05	< 0.05	< 0.05	< 0.05	0.79	< 0.05	-	-	-
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	< 0.05	< 0.05	< 0.05	0.27	< 0.05	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	< 0.05	0.14	< 0.05	0.15	1.30	0.09	-	-	-
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	< 0.05	0.15	< 0.05	< 0.05	1.10	0.09	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	< 0.05	0.09	< 0.05	< 0.05	0.51	< 0.05	-	-	-
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	< 0.05	0.09	< 0.05	< 0.05	0.53	< 0.05	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	< 0.05	0.13	< 0.05	< 0.05	0.50	< 0.05	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	< 0.05	0.05	< 0.05	< 0.05	0.20	< 0.05	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	< 0.05	0.11	< 0.05	< 0.05	0.49	< 0.05	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	< 0.05	0.06	< 0.05	< 0.05	0.22	< 0.05	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	< 0.05	0.07	< 0.05	< 0.05	0.25	< 0.05	-	-	-
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			< 0.80	0.91	< 0.80	< 0.80	6.20	< 0.80	-	-	-
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	3.60	8.40	3.60	9.20	8.80	4.90	-	-	-
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			72.00	55.00	18.00	89.00	83.00	59.00	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	1.00	0.53	0.22	0.83	0.68	0.59	-	-	-
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.40	0.70	0.20	0.80	0.80	0.40	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	< 0.2	0.30	< 0.2	0.40	0.40	0.20	-	-	-
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	-	-	-
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	40.00	16.00	11.00	25.00	23.00	23.00	-	-	-
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	22.00	21.00	9.40	30.00	52.00	19.00	-	-	-
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	11.00	29.00	4.50	38.00	84.00	22.00	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	-	-
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	25.00	14.00	9.30	20.00	17.00	16.00	-	-	-
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	< 1.0	< 1.0	< 1.0	1.20	1.00	< 1.0	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	40.00	18.00	13.00	30.00	23.00	22.00	-	-	-
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	39.00	55.00	18.00	57.00	63.00	41.00	-	-	-
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	-	-
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			< 10	13.00	< 10	< 10	10.00	< 10	-	-	-
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			-	-	-	22.00	-	< 10	-	-	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			-	-	-	160.00	-	35.00	-	-	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-

Appendix 11: Soil Chemical Results Summary

Strata												TILL	TOPSOIL	TILL	TOPSOIL	TOPSOIL	MADE GROUND	MADE GROUND	TOPSOIL	TOPSOIL
Lab Sample No.:												539289	539302	539303	539294	539293	539292	610730	610725	610722
Client Sample ID.:												DS05	DS06	DS06	DS07	DS08	DS09	DS09A	DS11A	DS14A
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.50	0.40	1.40	0.20	0.10	0.10	0.20	0.20	0.20
Date Sampled:												25-Apr-2025	01-May-2025	01-May-2025	23-Apr-2025	23-Apr-2025	23-Apr-2025	09-Jul-2025	09-Jul-2025	09-Jul-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			-	-	-	< 10	-	< 10	-	-	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	< 10	-	< 10	-	-	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	< 10	-	< 10	-	-	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	< 0.1	-	-	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	< 0.1	-	-	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	< 0.1	-	-	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	< 0.1	-	-	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	0.20	-	-	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
										Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Total Number of Samples	73

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												MADE GROUND	TOPSOIL	TOPSOIL	TOPSOIL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TILL	TOPSOIL
Lab Sample No.:												539296	539297	539295	610729	539298	539299	539300	539301	543371
Client Sample ID.:												DS14	DS15	DS16	DS17A	DS17	DS17	DS18	DS18	DS19
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												1.95	0.20	0.10	0.20	0.20	1.00	0.20	0.60	0.30
Date Sampled:												30-Apr-2025	30-Apr-2025	30-Apr-2025	09-Jul-2025	30-Apr-2025	30-Apr-2025	01-May-2025	01-May-2025	02-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			17.20	< 0.1	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	21.40
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			3.10	9.90	6.70	-	10.00	7.40	14.00	12.00	6.60
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			0.30	0.40	0.40	-	0.40	0.30	0.30	0.60	0.70
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	-	-	Not-detected	-	-	-	-	-
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			7.90	7.30	7.40	-	7.90	6.30	6.70	7.40	7.90
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			170.00	750.00	760.00	-	690.00	140.00	750.00	200.00	390.00
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			49.00	54.00	82.00	-	41.00	34.00	52.00	32.00	16.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.02	0.03	0.04	-	0.02	0.02	0.03	0.02	0.01
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			24.50	26.80	41.20	-	20.50	17.20	26.10	15.90	8.21
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			69.00	290.00	250.00	-	260.00	< 50	340.00	79.00	120.00
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			0.20	4.80	3.50	-	4.20	0.40	4.60	0.90	2.20
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	0.11	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	0.06	< 0.05	-	< 0.05	< 0.05	0.29	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	0.07	< 0.05	-	< 0.05	< 0.05	0.18	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	< 0.05	0.71	0.07	-	0.17	< 0.05	1.50	< 0.05	0.10
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	0.16	< 0.05	-	< 0.05	< 0.05	0.30	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	< 0.05	1.30	0.18	-	0.35	< 0.05	1.90	< 0.05	0.15
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	< 0.05	1.30	0.16	-	0.37	< 0.05	1.80	< 0.05	0.16
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	< 0.05	0.64	0.08	-	0.17	< 0.05	0.87	< 0.05	0.08
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	< 0.05	0.75	0.12	-	0.22	< 0.05	0.95	< 0.05	0.08
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	< 0.05	0.77	0.15	-	0.25	< 0.05	1.00	< 0.05	0.08
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	< 0.05	0.25	< 0.05	-	0.09	< 0.05	0.34	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	< 0.05	0.72	0.13	-	0.24	< 0.05	0.97	< 0.05	0.09
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	< 0.05	0.30	0.06	-	0.11	< 0.05	0.42	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	0.08	< 0.05	-	< 0.05	< 0.05	0.10	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	< 0.05	0.40	0.07	-	0.12	< 0.05	0.50	< 0.05	< 0.05
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			< 0.80	7.51	1.03	-	2.10	< 0.80	11.30	< 0.80	< 0.80
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	6.50	12.00	11.00	-	11.00	8.10	12.00	7.60	5.10
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			92.00	66.00	53.00	-	55.00	53.00	57.00	41.00	31.00
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	0.30	0.57	0.54	-	0.50	0.89	0.52	0.75	0.30
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.30	1.30	0.80	-	0.80	0.20	1.30	0.70	0.50
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	< 0.2	0.40	0.30	-	0.40	< 0.2	0.40	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	< 1.8	< 1.8	-	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	6.30	18.00	20.00	-	16.00	81.00	22.00	32.00	14.00
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	3.20	37.00	22.00	-	28.00	4.50	28.00	18.00	14.00
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	2.50	64.00	36.00	-	58.00	3.00	49.00	9.80	14.00
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	< 0.3	< 0.3	-	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	14.00	13.00	13.00	-	12.00	11.00	14.00	24.00	12.00
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	4.70	1.10	< 1.0	-	1.10	< 1.0	1.30	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	8.60	24.00	23.00	-	21.00	44.00	27.00	30.00	17.00
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	13.00	89.00	51.00	-	73.00	21.00	65.00	39.00	32.00
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			< 10	< 10	< 10	-	< 10	< 10	12.00	< 10	< 10
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			-	< 10	< 10	-	-	-	< 10	-	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			-	< 10	40.00	-	-	-	< 10	-	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-

Appendix 11: Soil Chemical Results Summary

Strata												MADE GROUND	TOPSOIL	TOPSOIL	TOPSOIL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TILL	TOPSOIL
Lab Sample No.:												539296	539297	539295	610729	539298	539299	539300	539301	543371
Client Sample ID.:												DS14	DS15	DS16	DS17A	DS17	DS17	DS18	DS18	DS19
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												1.95	0.20	0.10	0.20	0.20	1.00	0.20	0.60	0.30
Date Sampled:												30-Apr-2025	30-Apr-2025	30-Apr-2025	09-Jul-2025	30-Apr-2025	30-Apr-2025	01-May-2025	01-May-2025	02-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			-	32.00	88.00	-	-	-	23.00	-	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	< 10	< 10	-	-	-	< 10	-	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	-	-	-	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	-	-	-	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	-	-	-	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
										Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Total Number of Samples	73

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												WEATHERED BEDROCK	TOPSOIL	TILL	TOPSOIL	TILL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TOPSOIL
Lab Sample No.:												543372	543369	543370	543373	543374	543382	543383	610726	543393
Client Sample ID.:												DS19	DS20	DS20	DS20 (DS21)	DS20 (DS21)	DS22	DS22	DS26A	DS26
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.80	0.40	0.70	0.10	0.30	0.20	1.00	0.20	0.20
Date Sampled:												02-May-2025	01-May-2025	01-May-2025	06-May-2025	06-May-2025	07-May-2025	07-May-2025	09-Jul-2025	07-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			6.40	12.00	15.00	14.00	10.00	13.00	7.70	-	10.00
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			0.70	0.30	0.30	0.70	0.70	0.30	0.30	-	1.10
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	-	-	-	-	-	-	Not-detected	-
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			6.40	8.00	7.50	7.40	6.60	6.80	7.60	-	7.30
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			110.00	510.00	420.00	640.00	310.00	760.00	110.00	-	510.00
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			10.00	24.00	33.00	23.00	10.00	26.00	63.00	-	39.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.01	0.01	0.02	0.01	0.01	0.01	0.03	-	0.02
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			5.14	11.90	16.40	11.50	5.19	13.10	31.50	-	19.20
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			< 50	180.00	140.00	370.00	90.00	320.00	< 50	-	170.00
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			0.30	2.60	1.30	6.40	1.90	4.40	0.30	-	1.90
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	0.08	< 0.05	0.10	< 0.05	< 0.05	< 0.05	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	0.05	< 0.05	0.08	< 0.05	< 0.05	< 0.05	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	< 0.05	0.67	< 0.05	0.93	< 0.05	0.50	< 0.05	-	0.17
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	0.14	< 0.05	0.19	< 0.05	0.09	< 0.05	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	< 0.05	1.20	< 0.05	1.70	< 0.05	0.80	< 0.05	-	0.45
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	< 0.05	1.20	< 0.05	1.70	< 0.05	0.77	< 0.05	-	0.42
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	< 0.05	0.56	< 0.05	0.85	< 0.05	0.40	< 0.05	-	0.23
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	< 0.05	0.60	< 0.05	0.87	< 0.05	0.42	< 0.05	-	0.26
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	< 0.05	0.63	< 0.05	0.99	< 0.05	0.46	< 0.05	-	0.30
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	< 0.05	0.25	< 0.05	0.40	< 0.05	0.16	< 0.05	-	0.13
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	< 0.05	0.59	< 0.05	0.89	< 0.05	0.40	< 0.05	-	0.28
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	< 0.05	0.24	< 0.05	0.39	< 0.05	0.19	< 0.05	-	0.15
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	< 0.05	< 0.05	0.07	< 0.05	< 0.05	< 0.05	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	< 0.05	0.27	< 0.05	0.45	< 0.05	0.22	< 0.05	-	0.16
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			< 0.80	6.39	< 0.80	9.55	< 0.80	4.42	< 0.80	-	2.56
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	3.00	9.10	7.10	9.70	1.20	12.00	2.70	-	7.40
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			25.00	54.00	37.00	59.00	17.00	64.00	16.00	-	46.00
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	0.37	0.49	0.50	0.61	0.23	0.66	0.28	-	0.50
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.40	0.80	0.50	0.90	0.30	1.00	0.20	-	0.50
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	< 0.2	0.30	< 0.2	0.30	< 0.2	0.50	< 0.2	-	0.20
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	7.90	15.00	28.00	18.00	15.00	17.00	9.70	-	18.00
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	5.60	25.00	12.00	31.00	7.20	45.00	6.20	-	37.00
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	1.80	41.00	11.00	55.00	8.50	74.00	3.30	-	39.00
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	8.90	12.00	19.00	13.00	7.50	13.00	5.70	-	14.00
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	< 1.0	< 1.0	1.10	1.10	< 1.0	1.50	< 1.0	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	8.20	21.00	29.00	20.00	11.00	26.00	10.00	-	20.00
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	15.00	51.00	37.00	58.00	15.00	130.00	14.00	-	83.00
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			< 10	11.00	< 10	12.00	< 10	< 10	< 10	-	< 10
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			-	-	-	-	-	-	-	-	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			-	-	-	-	-	-	-	-	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-

Appendix 11: Soil Chemical Results Summary

Strata												WEATHERED BEDROCK	TOPSOIL	TILL	TOPSOIL	TILL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TOPSOIL
Lab Sample No.:												543372	543369	543370	543373	543374	543382	543383	610726	543393
Client Sample ID.:												DS19	DS20	DS20	DS20 (DS21)	DS20 (DS21)	DS22	DS22	DS26A	DS26
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.80	0.40	0.70	0.10	0.30	0.20	1.00	0.20	0.20
Date Sampled:												02-May-2025	01-May-2025	01-May-2025	06-May-2025	06-May-2025	07-May-2025	07-May-2025	09-Jul-2025	07-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			-	-	-	-	-	-	-	-	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	-	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	-	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	0.10	-	-	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	< 0.1	-	-	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	< 0.1	-	-	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	0.30	-	-	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	< 0.1	-	-	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	< 0.1	-	-	-	-	-	-	-
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
										Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Total Number of Samples	73

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												WEATHERED BEDROCK	MADE GROUND	MADE GROUND	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TILL	TOPSOIL	TILL
Lab Sample No.:												543394	610727	543395	543379	543380	543384	543385	543375	543376
Client Sample ID.:												DS26	DS27A	DS27	DS30	DS30	DS31	DS31	DS32	DS32
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												1.00	0.20	0.20	0.10	1.80	0.5 (0.6)	1.00	0.10	0.50
Date Sampled:												07-May-2025	09-Jul-2025	07-May-2025	06-May-2025	06-May-2025	07-May-2025	07-May-2025	06-May-2025	06-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			5.40	-	14.00	14.00	8.20	17.00	11.00	11.00	9.60
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			1.10	-	1.10	0.60	0.60	0.70	0.30	0.70	0.30
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	Not-detected	-	-	-	-	-	-	-
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			7.40	-	7.20	6.60	5.30	7.10	8.30	7.40	7.10
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			< 50	-	500.00	550.00	63.00	330.00	150.00	530.00	110.00
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			29.00	-	71.00	15.00	13.00	38.00	49.00	24.00	42.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.01	-	0.04	0.01	0.01	0.02	0.02	0.01	0.02
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			14.50	-	35.30	7.71	6.66	18.90	24.30	12.10	21.00
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			< 50	-	340.00	220.00	< 50	220.00	65.00	310.00	< 50
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			< 0.1	-	4.20	4.30	< 0.1	2.90	0.40	4.30	0.50
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	-	0.06	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	< 0.05	-	0.45	0.21	< 0.05	< 0.05	< 0.05	0.25	< 0.05
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	-	0.09	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	< 0.05	-	1.20	0.37	< 0.05	< 0.05	< 0.05	0.53	< 0.05
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	< 0.05	-	1.10	0.41	< 0.05	< 0.05	< 0.05	0.53	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	< 0.05	-	0.62	0.19	< 0.05	< 0.05	< 0.05	0.27	< 0.05
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	< 0.05	-	0.66	0.21	< 0.05	< 0.05	< 0.05	0.33	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	< 0.05	-	0.75	0.23	< 0.05	< 0.05	< 0.05	0.41	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	< 0.05	-	0.33	0.07	< 0.05	< 0.05	< 0.05	0.16	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	< 0.05	-	0.67	0.19	< 0.05	< 0.05	< 0.05	0.34	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	< 0.05	-	0.33	0.09	< 0.05	< 0.05	< 0.05	0.16	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	-	0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	< 0.05	-	0.36	0.13	< 0.05	< 0.05	< 0.05	0.18	< 0.05
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			< 0.80	-	6.66	2.10	< 0.80	< 0.80	< 0.80	3.22	< 0.80
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	1.10	-	14.00	6.80	1.90	3.60	5.90	7.10	2.80
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			11.00	-	81.00	38.00	14.00	34.00	93.00	57.00	55.00
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	0.22	-	0.76	0.41	0.49	0.46	0.68	0.52	0.62
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.30	-	1.20	0.40	0.20	0.70	0.30	1.00	0.40
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	< 0.2	-	0.50	0.20	< 0.2	< 0.2	< 0.2	0.30	< 0.2
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	-	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	5.00	-	23.00	14.00	8.70	17.00	21.00	18.00	29.00
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	7.70	-	89.00	27.00	5.90	10.00	14.00	26.00	16.00
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	1.70	-	110.00	37.00	2.30	13.00	7.10	37.00	7.60
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	-	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	5.20	-	17.00	8.70	5.20	11.00	20.00	13.00	19.00
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	< 1.0	-	1.30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	5.80	-	28.00	13.00	17.00	17.00	22.00	18.00	29.00
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	9.00	-	220.00	43.00	11.00	23.00	25.00	48.00	31.00
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			< 10	-	21.00	< 10	< 10	< 10	27.00	15.00	< 10
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			-	-	-	-	-	< 10	-	-	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			-	-	-	-	-	< 10	-	-	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-

Appendix 11: Soil Chemical Results Summary

Strata												WEATHERED BEDROCK	MADE GROUND	MADE GROUND	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TILL	TOPSOIL	TILL
Lab Sample No.:												543394	610727	543395	543379	543380	543384	543385	543375	543376
Client Sample ID.:												DS26	DS27A	DS27	DS30	DS30	DS31	DS31	DS32	DS32
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												1.00	0.20	0.20	0.10	1.80	0.5 (0.6)	1.00	0.10	0.50
Date Sampled:												07-May-2025	09-Jul-2025	07-May-2025	06-May-2025	06-May-2025	07-May-2025	07-May-2025	06-May-2025	06-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			-	-	-	-	-	< 10	-	-	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	-	-	-	-	< 0.1	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	< 0.1	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	< 0.1	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	-	-	-	-	0.20	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	-	-	-	-	< 0.1	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	< 0.1	-	-	-
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Total Number of Samples		73								Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												TILL	TILL	TOPSOIL	WEATHERED BEDROCK	WEATHERED BEDROCK	TOPSOIL	WEATHERED BERDOCK	WEATHERED BEDROCK	TOPSOIL
Lab Sample No.:												543377	543378	543386	543387	543381	543388	543389	543392	543390
Client Sample ID.:												DS33	DS33	DS34	DS34	DS35	DS37	DS37	DS37	DS38
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.30	1.20	0.30	0.80	0.55	0.10	0.50	0.50	0.15
Date Sampled:												06-May-2025	06-May-2025	07-May-2025	07-May-2025	07-May-2025	07-May-2025	06-May-2025	07-May-2025	07-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			11.00	10.00	11.00	5.80	13.00	12.00	5.00	11.00	16.00
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			0.70	0.70	0.30	0.70	0.60	0.60	0.70	1.10	1.10
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	-	-	-	-	-	-	-	-
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			7.20	5.00	6.80	7.30	7.50	6.80	7.20	6.80	6.70
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			250.00	460.00	510.00	< 50	72.00	640.00	58.00	74.00	850.00
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			20.00	96.00	14.00	5.60	29.00	21.00	6.70	10.00	20.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.01	0.05	0.01	0.00	0.01	0.01	0.00	0.01	0.01
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			9.80	47.90	6.84	2.78	14.60	10.40	3.36	5.20	10.00
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			85.00	140.00	210.00	< 50	< 50	320.00	< 50	58.00	470.00
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			0.70	0.60	3.00	< 0.1	0.30	3.80	0.20	1.00	7.50
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	< 0.05	< 0.05	0.12	< 0.05	< 0.05	0.37	< 0.05	< 0.05	0.62
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	0.12
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	< 0.05	< 0.05	0.25	< 0.05	< 0.05	0.61	< 0.05	< 0.05	1.20
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	< 0.05	< 0.05	0.25	< 0.05	< 0.05	0.64	< 0.05	< 0.05	1.20
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	< 0.05	< 0.05	0.11	< 0.05	< 0.05	0.29	< 0.05	< 0.05	0.57
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	< 0.05	< 0.05	0.16	< 0.05	< 0.05	0.38	< 0.05	< 0.05	0.60
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	< 0.05	< 0.05	0.16	< 0.05	< 0.05	0.38	< 0.05	< 0.05	0.76
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	< 0.05	< 0.05	0.05	< 0.05	< 0.05	0.19	< 0.05	< 0.05	0.24
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	< 0.05	< 0.05	0.14	< 0.05	< 0.05	0.35	< 0.05	< 0.05	0.64
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	< 0.05	< 0.05	0.07	< 0.05	< 0.05	0.17	< 0.05	< 0.05	0.30
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.06
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	< 0.05	< 0.05	0.09	< 0.05	< 0.05	0.21	< 0.05	< 0.05	0.36
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			< 0.80	< 0.80	1.39	< 0.80	< 0.80	3.66	< 0.80	< 0.80	6.66
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	1.50	2.50	7.90	< 1.0	2.00	10.00	1.10	2.10	13.00
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			36.00	67.00	46.00	7.50	29.00	59.00	14.00	28.00	61.00
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	0.42	0.63	0.51	0.09	0.46	0.55	0.17	0.46	0.83
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.40	0.50	0.50	< 0.2	0.30	1.00	0.20	0.50	1.10
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	< 0.2	< 0.2	0.20	< 0.2	< 0.2	0.40	< 0.2	< 0.2	0.40
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	25.00	21.00	16.00	6.20	19.00	17.00	7.90	21.00	17.00
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	9.80	13.00	24.00	3.70	12.00	30.00	4.20	16.00	55.00
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	7.80	9.80	42.00	1.80	6.70	54.00	2.30	7.00	73.00
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	19.00	17.00	12.00	2.30	13.00	12.00	4.30	12.00	14.00
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.30	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	20.00	19.00	17.00	6.10	15.00	25.00	7.60	21.00	19.00
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	30.00	31.00	55.00	7.20	20.00	67.00	11.00	22.00	80.00
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			< 10	< 10	< 10	< 10	< 10	< 10	< 10	1400.00	< 10
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			-	-	-	-	-	< 10	-	-	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			-	-	-	-	-	23.00	-	-	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-

Appendix 11: Soil Chemical Results Summary

Strata												TILL	TILL	TOPSOIL	WEATHERED BEDROCK	WEATHERED BEDROCK	TOPSOIL	WEATHERED BERDOCK	WEATHERED BEDROCK	TOPSOIL
Lab Sample No.:												543377	543378	543386	543387	543381	543388	543389	543392	543390
Client Sample ID.:												DS33	DS33	DS34	DS34	DS35	DS37	DS37	DS37	DS38
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.30	1.20	0.30	0.80	0.55	0.10	0.50	0.50	0.15
Date Sampled:												06-May-2025	06-May-2025	07-May-2025	07-May-2025	07-May-2025	07-May-2025	06-May-2025	07-May-2025	07-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			-	-	-	-	-	< 10	-	-	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	< 10	-	-	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	< 10	-	-	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	-	-	-	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	-	-	-	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	-	-	-	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Total Number of Samples		73								Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												TILL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TOPSOIL	TILL	TOPSOIL	TOPSOIL	TILL
Lab Sample No.:												543391	600437	600438	600439	600440	600441	610724	564896	564897
Client Sample ID.:												DS38	DS39	DS39	DS40	DS41	DS41	RO01A	RO01	RO01
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.40	0.20	1.20	0.30	0.20	1.00	0.20	0.50	1.50
Date Sampled:												07-May-2025	23-Jun-2025	23-Jun-2025	23-Jun-2025	24-Jun-2025	24-Jun-2025	09-Jul-2025	21-May-2025	21-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			11.00	11.00	5.30	11.00	17.00	16.00	-	1.70	2.20
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			1.10	1.10	1.10	1.10	1.10	1.10	-	0.10	0.10
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	-	-	-	-	-	Not-detected	-	-
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			6.00	7.30	8.30	7.30	7.10	7.70	-	6.60	7.80
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			150.00	310.00	160.00	380.00	680.00	290.00	-	230.00	220.00
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			22.00	13.00	5.30	14.00	34.00	26.00	-	6.60	20.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.01	0.01	0.00	0.01	0.02	0.01	-	0.00	0.01
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			10.80	6.28	2.66	6.73	16.70	13.10	-	3.32	10.10
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			61.00	180.00	< 50	190.00	340.00	110.00	-	83.00	76.00
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			0.60	2.00	< 0.1	2.50	2.90	0.70	-	0.70	0.20
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	0.08	< 0.05	0.09	0.09	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	< 0.05	< 0.05	0.09	0.08	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	< 0.05	< 0.05	0.08	0.09	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	< 0.05	0.21	< 0.05	0.16	0.57	< 0.05	-	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	< 0.05	< 0.05	< 0.05	0.10	< 0.05	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	< 0.05	0.49	< 0.05	0.18	1.10	< 0.05	-	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	< 0.05	0.45	< 0.05	0.18	1.00	< 0.05	-	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	< 0.05	0.25	< 0.05	0.09	0.51	< 0.05	-	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	< 0.05	0.27	< 0.05	0.11	0.64	< 0.05	-	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	< 0.05	0.27	< 0.05	0.13	0.64	< 0.05	-	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	< 0.05	0.14	< 0.05	0.05	0.39	< 0.05	-	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	< 0.05	0.22	< 0.05	0.08	0.60	< 0.05	-	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	< 0.05	0.13	< 0.05	0.06	0.34	< 0.05	-	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	< 0.05	< 0.05	< 0.05	0.07	< 0.05	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	< 0.05	0.14	< 0.05	0.08	0.42	< 0.05	-	< 0.05	< 0.05
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			< 0.80	2.63	< 0.80	1.38	6.65	< 0.80	-	< 0.80	< 0.80
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	2.60	15.00	3.10	12.00	18.00	8.90	-	< 1.0	< 1.0
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			39.00	60.00	14.00	54.00	97.00	48.00	-	13.00	5.90
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	0.38	0.67	0.25	0.78	1.10	0.61	-	< 0.06	0.08
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.50	0.40	< 0.2	0.40	0.80	0.50	-	0.20	< 0.2
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	< 0.2	0.30	< 0.2	0.30	0.20	< 0.2	-	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	22.00	19.00	13.00	19.00	35.00	34.00	-	5.80	7.90
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	16.00	48.00	9.00	42.00	70.00	16.00	-	5.00	6.10
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	7.70	67.00	4.00	67.00	120.00	8.10	-	1.80	3.30
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	15.00	14.00	10.00	16.00	27.00	23.00	-	2.00	4.90
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	< 1.0	1.10	< 1.0	< 1.0	1.20	< 1.0	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	19.00	26.00	11.00	27.00	46.00	34.00	-	2.50	4.70
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	26.00	83.00	16.00	85.00	96.00	36.00	-	6.30	7.70
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	-	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			< 10	< 10	< 10	< 10	18.00	< 10	-	< 10	< 10
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			-	-	-	-	-	-	-	< 10	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			-	-	-	-	-	-	-	< 10	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-

Appendix 11: Soil Chemical Results Summary

Strata												TILL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TOPSOIL	TILL	TOPSOIL	TOPSOIL	TILL
Lab Sample No.:												543391	600437	600438	600439	600440	600441	610724	564896	564897
Client Sample ID.:												DS38	DS39	DS39	DS40	DS41	DS41	RO01A	RO01	RO01
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.40	0.20	1.20	0.30	0.20	1.00	0.20	0.50	1.50
Date Sampled:												07-May-2025	23-Jun-2025	23-Jun-2025	23-Jun-2025	24-Jun-2025	24-Jun-2025	09-Jul-2025	21-May-2025	21-May-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			-	-	-	-	-	-	-	< 10	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-	-	-	-	-	-	-	< 10	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-	-	-	-	-	-	-	< 10	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	-	-	-	-	-	-	-	-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	-	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	-	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	-	-	-	-	-	-	-	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	-	-	-	-	-	-	-	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	-	-
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Total Number of Samples		73								Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												TOPSOIL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TOPSOIL	TOPSOIL	MADE GROUND	MADE GROUND	MADE GROUND
Lab Sample No.:												564895	564893	564894	610731	610732	610723	600442	600443	600444
Client Sample ID.:												RO04	RO07	RO07	TP17A	TP32S	TP43A	TP65	TP65	TP67B
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.20	0.30	0.70	0.20	0.20	0.20	0.20	0.60	0.50
Date Sampled:												20-May-2025	19-May-2025	19-May-2025	09-Jul-2025	09-Jul-2025	09-Jul-2025	24-Jun-2025	24-Jun-2025	24-Jun-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			< 0.1	< 0.1	< 0.1	< 0.1	-	-	56.00	< 0.1	68.20
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			7.70	8.20	3.00	11.00	-	-	8.00	15.00	8.10
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			0.10	0.10	0.10	0.90	-	-	1.10	1.10	1.10
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	-	-	-	Not-detected	Not-detected	Not-detected	-	-	-
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			8.20	7.60	8.00	8.10	-	-	8.20	7.70	9.30
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	-	-	< 1.0	< 1.0	< 1.0
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	-	-	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	-	-	< 1.0	< 1.0	< 1.0
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			450.00	440.00	240.00	410.00	-	-	1000.00	1600.00	2300.00
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			44.00	34.00	29.00	52.00	-	-	340.00	480.00	840.00
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			0.02	0.02	0.01	0.03	-	-	0.17	0.24	0.42
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			21.80	17.00	14.40	25.90	-	-	172.00	240.00	422.00
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			270.00	240.00	85.00	260.00	-	-	1200.00	1100.00	1200.00
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			3.70	2.60	0.20	3.10	-	-	2.80	4.00	2.10
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	< 1.0	< 1.0	< 1.0	< 1.0	-	-	< 1.0	< 1.0	< 1.0
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.74	0.56	0.90
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.08	0.10	0.26
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.07	0.07	0.24
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	< 0.05	0.10	< 0.05	< 0.05	-	-	0.41	0.45	1.40
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.06	0.08	0.33
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	0.08	0.20	< 0.05	0.05	-	-	0.44	0.57	0.88
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	0.06	0.20	< 0.05	0.06	-	-	0.43	0.57	0.74
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	< 0.05	0.11	< 0.05	< 0.05	-	-	0.21	0.30	0.34
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	< 0.05	0.15	< 0.05	< 0.05	-	-	0.23	0.33	0.37
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.26	0.41	0.32
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.11	0.15	0.12
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	< 0.05	0.11	< 0.05	< 0.05	-	-	0.22	0.34	0.27
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.13	0.19	0.13
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	< 0.05	< 0.05	< 0.05	< 0.05	-	-	0.16	0.24	0.19
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			< 0.80	0.86	< 0.80	< 0.80	-	-	3.54	4.36	6.51
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	6.20	7.10	1.50	5.10	-	-	8.10	12.00	8.20
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			53.00	51.00	15.00	57.00	-	-	71.00	91.00	280.00
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	0.44	0.46	0.20	0.54	-	-	0.41	0.60	0.80
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	0.30	0.40	0.30	0.60	-	-	0.50	0.80	3.20
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	0.20	0.20	< 0.2	< 0.2	-	-	< 0.2	0.30	< 0.2
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	< 1.8	< 1.8	< 1.8	< 1.8	-	-	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	20.00	23.00	11.00	24.00	-	-	11.00	17.00	16.00
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	18.00	21.00	5.70	21.00	-	-	23.00	30.00	39.00
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	26.00	27.00	4.20	19.00	-	-	32.00	47.00	28.00
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	< 0.3	< 0.3	< 0.3	< 0.3	-	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	10.00	15.00	6.70	17.00	-	-	13.00	14.00	23.00
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	< 1.0	< 1.0	< 1.0	1.10	-	-	< 1.0	< 1.0	1.00
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	20.00	23.00	18.00	27.00	-	-	14.00	22.00	19.00
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	35.00	45.00	12.00	41.00	-	-	44.00	65.00	110.00
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			< 1.0	< 1.0	< 1.0	< 1.0	-	-	< 1.0	< 1.0	< 1.0
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			< 10	< 10	< 10	24.00	-	-	< 10	< 10	78.00
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			< 10	-	-	-	-	-	-	-	-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			110.00	-	-	-	-	-	-	-	-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-

Appendix 11: Soil Chemical Results Summary

Strata												TOPSOIL	TOPSOIL	WEATHERED BEDROCK	TOPSOIL	TOPSOIL	TOPSOIL	MADE GROUND	MADE GROUND	MADE GROUND
Lab Sample No.:												564895	564893	564894	610731	610732	610723	600442	600443	600444
Client Sample ID.:												RO04	RO07	RO07	TP17A	TP32S	TP43A	TP65	TP65	TP67B
Sample No.:												None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Type:												ES	ES	ES	ES	ES	ES	ES	ES	ES
Top Depth (m):												0.20	0.30	0.70	0.20	0.20	0.20	0.20	0.60	0.50
Date Sampled:												20-May-2025	19-May-2025	19-May-2025	09-Jul-2025	09-Jul-2025	09-Jul-2025	24-Jun-2025	24-Jun-2025	24-Jun-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances									
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			16.00	-	-	-	-	-	-	-	-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			< 10	-	-	-	-	-	-	-	-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			< 10	-	-	-	-	-	-	-	-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-	-	-	-	-	-	-	< 0.1	< 0.1
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	< 0.1	< 0.1
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-	-	-	-	-	-	-	< 0.1	< 0.1
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-	-	-	-	-	-	-	< 0.1	< 0.1
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-	-	-	-	-	-	-	0.10	< 0.1
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-	-	-	-	-	-	-	< 0.1	< 0.1
										Exceedance		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Total Number of Samples		73								Total Number	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Criteria Key	LOD	S4ULs	C4SLs

Appendix 11: Soil Chemical Results Summary

Strata												TOPSOIL
Lab Sample No.:												610728
Client Sample ID.:												TP71A
Sample No.:												None Supplied
Sample Type:												ES
Top Depth (m):												0.20
Date Sampled:												09-Jul-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances	
Stone Content	%	0.10	NONE	62	4	<0.1	2.7	68.2	TP67B 0.5m			-
Moisture Content	%	0.01	NONE	62	62	1.7	10.68	19	DS07 0.2m			-
Total mass of sample received	kg	0.10	NONE	62	62	0.1	0.6	1.1	DS26 0.2m			-
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	12	N/A	N/A	N/A	N/A	N/A	Not-detected	0	Not-detected
pH (L099)	pH Units	N/A	MCERTS	62	N/A	N/A	N/A	N/A	N/A			-
Total Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			-
Complex Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			-
Free Cyanide	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A			-
Total Sulphate as SO_4	mg/kg	50.00	MCERTS	62	59	<50	440.9	2300	TP67B 0.5m			-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.50	MCERTS	62	62	5.3	60.6	840	TP67B 0.5m			-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00	MCERTS	62	62	0.00266	0.03033	0.422	TP67B 0.5m			-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	62	62	2.66	30.33	422	TP67B 0.5m			-
Total Sulphur	mg/kg	50.00	MCERTS	62	50	<50	225.7	1200	TP65 0.2m			-
Organic Matter (automated)	%	0.10	MCERTS	62	58	<0.1	2.3	7.7	DS02 0.1m			-
Total Phenols (monohydric)	mg/kg	1.00	MCERTS	62	0	<1	1	<1	N/A	760	0	-
Naphthalene	mg/kg	0.05	MCERTS	62	7	<0.05	0.09	0.9	TP67B 0.5m	190	0	-
Acenaphthylene	mg/kg	0.05	MCERTS	62	0	<0.05	0.05	<0.05	N/A	83000	0	-
Acenaphthene	mg/kg	0.05	MCERTS	62	12	<0.05	0.06	0.29	DS18 0.2m	84000	0	-
Fluorene	mg/kg	0.05	MCERTS	62	10	<0.05	0.06	0.24	TP67B 0.5m	63000	0	-
Phenanthrene	mg/kg	0.05	MCERTS	62	26	<0.05	0.21	1.5	DS18 0.2m	22000	0	-
Anthracene	mg/kg	0.05	MCERTS	62	14	<0.05	0.07	0.33	TP67B 0.5m	520000	0	-
Fluoranthene	mg/kg	0.05	MCERTS	62	32	<0.05	0.32	1.9	DS18 0.2m	23000	0	-
Pyrene	mg/kg	0.05	MCERTS	62	31	<0.05	0.31	1.8	DS18 0.2m	54000	0	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	62	27	<0.05	0.17	0.87	DS18 0.2m	170	0	-
Chrysene	mg/kg	0.05	MCERTS	62	28	<0.05	0.19	0.95	DS18 0.2m	350	0	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	62	26	<0.05	0.2	1	DS18 0.2m	44	0	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	62	23	<0.05	0.1	0.4	DS20 (DS21) 0.1m	1200	0	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	62	27	<0.05	0.18	0.97	DS18 0.2m	35	0	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	62	24	<0.05	0.1	0.42	DS18 0.2m	500	0	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	62	6	<0.05	0.05	0.1	DS18 0.2m	3.5	0	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	62	24	<0.05	0.12	0.5	DS18 0.2m	3900	0	-
Speciated Total EPA-16 PAHs	mg/kg	0.80	ISO 17025	62	25	<0.8	2.2	11.3	DS18 0.2m			-
Arsenic (aqua regia extractable)	mg/kg	1.00	MCERTS	62	59	<1	6.7	18	DS41 0.2m	640	0	-
Barium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5.9	54.4	280	TP67B 0.5m			-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	62	61	<0.06	0.54	1.1	DS41 0.2m	12	0	-
Boron (water soluble)	mg/kg	0.20	MCERTS	62	59	<0.2	0.6	3.2	TP67B 0.5m	240000	0	-
Cadmium (aqua regia extractable)	mg/kg	0.20	MCERTS	62	28	<0.2	0.3	0.5	DS04 0.2m	410	0	-
Chromium (hexavalent)	mg/kg	1.80	MCERTS	62	0	<1.8	1.8	<1.8	N/A	49	0	-
Chromium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	5	19.8	81	DS17 1m	8600	0	-
Copper (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	3.2	22.4	89	DS27 0.2m	68000	0	-
Lead (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	1.7	30.5	190	DS02 0.1m	2300	0	-
Mercury (aqua regia extractable)	mg/kg	0.30	MCERTS	62	0	<0.3	0.3	<0.3	N/A	5100	0	-
Nickel (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2	14.1	27	DS03 2m	980	0	-
Selenium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	17	<1	1.1	4.7	DS14 1.95m	12000	0	-
Vanadium (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	2.5	21	46	DS41 0.2m	9000	0	-
Zinc (aqua regia extractable)	mg/kg	1.00	MCERTS	62	62	6.3	46.5	220	DS27 0.2m	730000	0	-
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	mg/kg	1.00	ISO 17025	62	0	<1	1	<1	N/A			-
TPH (EC10 - EC40) EH_CU_1D_TOTAL	mg/kg	10.00	MCERTS	62	15	<10	37.3	1400	DS37 0.5m			-
Alpha-BHC (Benzene Hexachloride)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Alachlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Bifenthrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Cyhalothrin (Lambda)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Omethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
1,2,3-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
1,3,5-Trichlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
2,6-Dichlorobenzonitrile	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Dimethylvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Demeton-O	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Demeton-S	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Endrin Aldehyde	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Endrin Ketone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Hexachlorobutadiene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Phosphamidon (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
1,2,4,5-Tetrachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Cis-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Endosulfan sulfate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Etrimfos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Fenvalerate (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Hexachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Mevinphos, E+Z	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Pentachlorobenzene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Pirimiphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Propetamphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Tecnazene	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Triadimefon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Trans-Permethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Aldrin	µg/kg	10.00	NONE	11	1	<10	11.1	22	DS07 0.2m			-
Azinphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Beta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Cis-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Chlorfenvinphos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Chlorpyrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Chlorothalonil	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Carbophenothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Cyfluthrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Delta-BHC	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Dieldrin	µg/kg	10.00	NONE	11	7	<10	46.7	160	DS07 0.2m			-
Deltamethrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Heptachlor Exo-epoxide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Endrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Endosulfan I (alpha isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Endosulfan II (beta isomer)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Fenthion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Isodrin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Methacrifos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
O,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
O,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
O,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-

Appendix 11: Soil Chemical Results Summary

Strata												TOPSOIL
Lab Sample No.:												610728
Client Sample ID.:												TP71A
Sample No.:												None Supplied
Sample Type:												ES
Top Depth (m):												0.20
Date Sampled:												09-Jul-2025
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LoD	Minimum	Average	Maximum	Maximum Sample Reference	Criteria 1% SOM Commercial	Number of Exceedances	
Parathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Parathion-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Pendimethalin	µg/kg	10.00	NONE	11	6	<10	22.8	88	DS16 0.1m			-
Phorate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Phosalone	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
P,p'-DDD	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
P,p'-DDE	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
P,p'-DDT	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
P,p'-Methoxychlor	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Propyzamide	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Triazophos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Trans-Chlordane	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Cypermethrin (Sum)	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Dichlorvos	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Dimethoate	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Diazinon	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Ethion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Fenitrothion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Malathion	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Pirimiphos-methyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Trifluralin	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Azinphos-ethyl	µg/kg	10.00	NONE	11	0	<10	10	<10	N/A			-
Carbofuran, 3-OH	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Tebuthiuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Thiadiazuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Aldicarb Sulfone	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Aldicarb Sulfoxide	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Aldicarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Carbofuran	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Fluometuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Methomyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Oxamyl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Propoxur	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Siduron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Terbutryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Carbaryl	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Diflubenzuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Isoproturon	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Prometryn	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Propazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Trietazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Atrazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Chlorotoluron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Cyanazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Diuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Linuron	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Methiocarb	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Simazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
Terbuthylazine	µg/kg	10.00	NONE	< 10	0	N/A	N/A	N/A	N/A			-
PFBA (Perfluorobutanoic acid) - CAS No 375-22-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFBS (Perfluorobutanesulfonic acid) - CAS No 375-73-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFDA (Perfluorodecanoic acid) - CAS No 335-76-2	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFDoA (Perfluorododecanoic acid) - CAS No 307-55-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFDoS (Perfluorododecanesulfonic acid) - CAS No 79780-39-5	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFDS (Perfluorodecanesulfonic acid) - CAS No 335-77-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFHpA (Perfluoroheptanoic acid) - CAS No 375-85-9	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFHpS (Perfluoroheptanesulphonic acid) - CAS No 375-92-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFHxA (Perfluorohexanoic acid) - CAS No 307-24-4	µg/kg	0.10	NONE	6	1	<0.1	0.1	0.1	DS20 0.4m			-
PFHxS (Perfluorohexanesulfonic acid) - CAS No 355-46-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-
PFNA (Perfluorononanoic acid) - CAS No 375-95-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A	600	0	-
PFNS (Perfluorononanesulfonic acid) - CAS No 68259-12-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFOA (Perfluorooctanoic acid) - CAS No 335-67-1	µg/kg	0.10	NONE	6	3	<0.1	0.2	0.3	DS20 0.4m	600	0	-
PFOS (Perfluorooctanesulfonic acid) - CAS No 1763-23-1	µg/kg	0.10	NONE	6	3	<0.1	0.1	0.2	DS06 0.4m	600	0	-
PFPeA (Perfluoropentonic acid) - CAS No 2706-90-3	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFUdA (Perfluoroundecanoic acid) - CAS No 2058-94-8	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFUdS (Perfluoroundecanesulfonic acid) - CAS No 749786-16-1	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
PFPeS (Perfluoropentanesulfonic acid) - CAS No 2706-91-4	µg/kg	0.10	NONE	6	0	<0.1	0.1	<0.1	N/A			-
										Exceedance		Pass
Total Number of Samples		73		Criteria Key	LOD	S4ULs	C4SLs			Total Number	0	N/A

Appendix 12: Groundwater Chemical Results Summary

Appendix 12: Groundwater Chemical Results Summary

Installation Details - Response Strata											Devensian Till	Sandstone	Devensian Till
Installation Details - Response Zone (m bgl)											1 to 3	10 to 17.5	2 to 4
Report No.:											25-050259	25-050259	25-050259
Client Sample ID.:											DS06	RO07	DS08
Sample Location:											None Supplied	None Supplied	None Supplied
Sample Type:											EW	EW	EW
Top Depth (m):											None Supplied	None Supplied	None Supplied
Date Sampled:											10/09/2025	10/09/2025	10/09/2025
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Number of Analyses	Number of Analyses above LOD	Minimum	Average	Maximum	Maximum Sample Reference	DWS	Number of Exceedances			
pH (L099)	pH Units	N/A	NONE	3	N/A	5.8	6.3	7.2	DS06	6.5-9.5	2	7.2	5.9	5.8
Electrical Conductivity at 20°C	µS/cm	10	NONE	3	3	300	516.7	890	DS06	2500.000	0	890	300	360
Total Cyanide	µg/l	10	NONE	3	0	<10	10	<10	N/A	50.000	0	< 10	< 10	< 10
Sulphate as SO_4	mg/l	0.045	NONE	3	3	42.6	60.333	90.8	DS08	250.000	0	47.6	42.6	90.8
Sulphide	µg/l	5	NONE	2	0	<5	5	<5	N/A			-	< 5.0	< 5.0
Chloride	mg/l	0.15	NONE	2	1	25	12.5	25	RO07	250.000	0	-	25	I/S
Orthophosphate as P	µg/l	20	NONE	2	1	<20	25	30	DS08			-	< 20	30
Ammoniacal Nitrogen as N	µg/l	15	NONE	3	2	22	314	920	DS06			920	22	I/S
Ammoniacal Nitrogen as NH_4^+	µg/l	15	NONE	2	1	28	14	28	RO07			-	28	I/S
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	3	3	1.23	6.2	11.8	DS06			11.80	1.23	5.52
Total Organic Carbon (TOC)	mg/l	0.1	NONE	2	2	1.34	4.8	8.16	DS08			-	1.34	8.16
Total Inorganic Carbon (TIC)	mg/l	0.1	NONE	2	2	5.09	13.1	21.2	DS08			-	5.09	21.2
Nitrate as N	mg/l	0.01	NONE	2	2	0.01	0.02	0.02	RO07	0.500	0	-	0.02	0.01
Nitrate as NO_3	mg/l	0.05	NONE	2	2	0.05	0.08	0.1	RO07	50.000	0	-	0.1	0.05
Alkalinity as $CaCO_3$	mgCaCO3/l	3	NONE	2	1	14	7	14	RO07			-	14	I/S
Chemical Oxygen Demand (Total)	mg/l	2	NONE	2	2	4.7	262.4	520	DS08			-	4.7	520
BOD (Biochemical Oxygen Demand) (Total) - PL (L086B)	mg/l	1	NONE	2	1	<1	4.2	7.3	DS08			-	< 1.0	7.3
Total Suspended Solids (L004B)	mg/l	2	NONE	2	1	1200	600	1200	RO07			-	1200	I/S *I/S
Total Dissolved Solids (Gravimetric) (L004B)	mg/l	4	NONE	2	2	210	220	230	RO07			-	230	210
Hardness - Total	mgCaCO3/l	1	NONE	3	3	77.2	130.1	209	DS06			209	104	77.2
Dissolved Oxygen	mg/l	1	NONE	2	2	1.2	3.3	5.4	RO07			-	5.4	1.2
Total Phenols (monohydric)	µg/l	10	NONE	3	1	<10	10.3	11	DS08			< 10	< 10	11
Naphthalene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Acenaphthylene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Acenaphthene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Fluorene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Phenanthrene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Anthracene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Fluoranthene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Pyrene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Benzo(a)anthracene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Chrysene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Benzo(b)fluoranthene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A	0.100	0	< 0.01	< 0.01	I/S *I/S
Benzo(k)fluoranthene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A	0.100	0	< 0.01	< 0.01	I/S *I/S
Benzo(a)pyrene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A	0.010	0	< 0.01	< 0.01	I/S *I/S
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A	0.100	0	< 0.01	< 0.01	I/S *I/S
Dibenz(a,h)anthracene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A			< 0.01	< 0.01	I/S *I/S
Benzo(ghi)perylene	µg/l	0.01	NONE	3	0	<0.01	0.01	<0.01	N/A	0.100	0	< 0.01	< 0.01	I/S *I/S
Total EPA-16 PAHs	µg/l	0.16	NONE	3	0	<0.16	0.11	<0.16	N/A			< 0.16	< 0.16	I/S
Arsenic (dissolved)	µg/l	0.15	NONE	3	3	0.41	1.69	3.85	DS06	10.000	0	3.85	0.41	0.82
Barium (dissolved)	µg/l	0.06	NONE	3	3	30	75.33	150	DS08	700.000	0	46	30	150
Beryllium (dissolved)	µg/l	0.1	NONE	3	2	<0.1	0.7	1.4	RO07			< 0.1	1.4	0.6
Cadmium (dissolved)	µg/l	0.02	NONE	3	2	<0.02	0.27	0.4	DS08	5.000	0	< 0.02	0.39	0.4
Chromium (dissolved)	µg/l	0.2	NONE	3	3	0.3	0.5	0.6	DS06	50.000	0	0.6	0.3	0.5
Copper (dissolved)	µg/l	0.5	NONE	3	3	1.8	28.3	68	DS08	2000.000	0	1.8	15	68
Lead (dissolved)	µg/l	0.2	NONE	3	1	<0.2	0.7	1.8	DS08	10.000	0	< 0.2	< 0.2	1.8
Mercury (dissolved)	µg/l	0.05	NONE	3	0	<0.05	0.05	<0.05	N/A	1.000	0	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	NONE	3	3	13	35.7	69	RO07	20.000	2	13	**69**	**25**
Selenium (dissolved)	µg/l	0.6	NONE	3	2	<0.6	1.1	1.4	DS06	10.000	0	1.4	< 0.6	1.2
Vanadium (dissolved)	µg/l	0.2	NONE	3	2	<0.2	0.6	0.9	DS06			0.9	0.7	< 0.2
Zinc (dissolved)	µg/l	0.5	NONE	3	3	3.4	20.1	41	DS08	3000.000	0	3.4	16	41
Boron (dissolved)	µg/l	10	NONE	3	3	59	89.3	150	DS06	1000.000	0	150	59	59
Calcium (dissolved)	mg/l	0.012	NONE	3	3	22	34.333	59	DS06			59	22	22
Chromium (hexavalent)	µg/l	5	NONE	3	0	<5	3.3	<5	N/A	50.000	0	< 5.0	< 5.0	U/S *U/S g
Iron (dissolved)	µg/l	4	NONE	2	1	<4	11002	22000	DS08	200.000	1	-	< 4.0	**22000**
Iron (Fe^{2+}) (dissolved)	mg/l	0.2	NONE	2	1	<0.2	1.4	2.66	DS08			-	< 0.20	2.66
Iron (Fe^{3+}) (dissolved)	mg/l	0.2	NONE	2	1	<0.2	9.9	19.6	DS08			-	< 0.20	19.6
Magnesium (dissolved)	mg/l	0.005	NONE	2	2	5.4	8.7	12	RO07			-	12	5.4
Potassium (dissolved)	mg/l	0.025	NONE	2	2	1.3	2.3	3.3	RO07			-	3.3	1.3
Sodium (dissolved)	µg/l	10	NONE	2	2	12000	15000	18000	DS08	200000.000	0	-	12000	18000
Petroleum Range Organics (EC6 - EC10) HS_1D_TOTAL	µg/l	10	NONE	3	0	<10	10	<10	N/A	1.000	0	< 10	< 10	< 10
TPH (EC10 - EC40) EH_1D_TOTAL_MS	µg/l	10	NONE	3	0	<10	6.7	<10	N/A	90.000	0	< 10	< 10	I/S
										Exceedance		Pass	Fail	Fail
										Total Number	5	N/A	pH, Nickel	pH, Nickel, Iron

Total Number of Samples	3

Criteria Key	LOD	EQS	DWS	WHO DWS

Appendix 13: Haz Waste Assessment

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

QSKTU-BRK1G-AMWR0

Report is invalid if pages are removed.

Job name

233398 ILP North

Description/Comments

Project

233398 ILP North

Site

233398 ILP North

Classified by

Name:
Richard Robinson
Date:
09 Oct 2025 14:31 GMT
Telephone:
0115 924 1100

Company:
BWB Consulting Ltd
Waterfront House, Station Street
Nottingham
NG2 3DQ

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: -

Course	Date
Hazardous Waste Classification	08 Dec 2016
3 year Refresher overdue	-

Purpose of classification

2 - Material Characterisation

Address of the waste

ILP North, Newton-le-Willows **Post Code** n/a

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Construction

Description of the specific process, sub-process and/or activity that created the waste

Construction

Description of the waste

Soils

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	DS03	0.10	Non Hazardous		4
2	DS03[2]	2.00	Non Hazardous		6
3	DS01	0.20	Non Hazardous		8
4	DS01[2]	0.50	Non Hazardous		11
5	DS04	0.20	Non Hazardous		14
6	DS04[2]	1.50	Non Hazardous		16
7	DS05	0.50	Non Hazardous		18
8	DS02	0.10	Non Hazardous		20
9	DS02[2]	3.00	Non Hazardous		23
10	DS09	0.10	Non Hazardous		25
11	DS08	0.10	Non Hazardous		27
12	DS07	0.20	Non Hazardous		30
13	DS16	0.10	Non Hazardous		32
14	DS14	1.95	Non Hazardous		34
15	DS15	0.20	Non Hazardous		36
16	DS17	0.20	Non Hazardous		38
17	DS17[2]	1.00	Non Hazardous		40
18	DS18	0.20	Non Hazardous		42
19	DS18[2]	0.60	Non Hazardous		45
20	DS06	0.40	Non Hazardous		47
21	DS06[2]	1.40	Non Hazardous		50
22	DS20	0.40	Non Hazardous		52
23	DS20[2]	0.70	Non Hazardous		55
24	DS19	0.30	Non Hazardous		57
25	DS19[2]	0.80	Non Hazardous		59
26	DS20[3]	0.10	Non Hazardous		61
27	DS20[4]	0.30	Non Hazardous		64
28	DS32	0.10	Non Hazardous		66
29	DS32[2]	0.50	Non Hazardous		69
30	DS33	0.30	Non Hazardous		71
31	DS33[2]	1.20	Non Hazardous		73
32	DS30	0.10	Non Hazardous		75
33	DS30[2]	1.80	Non Hazardous		77
34	DS35	0.55	Non Hazardous		79
35	DS22	0.20	Non Hazardous		81
36	DS22[2]	1.00	Non Hazardous		83
37	DS31	0.50	Non Hazardous		85
38	DS31[2]	1.00	Non Hazardous		87
39	DS34	0.30	Non Hazardous		90
40	DS34[2]	0.80	Non Hazardous		92
41	DS37	0.10	Non Hazardous		94
42	DS37[2]	0.50	Non Hazardous		96
43	DS38	0.15	Non Hazardous		98
44	DS38[2]	0.40	Non Hazardous		100
45	DS37[3]	0.50	Non Hazardous		102
46	DS26	0.20	Non Hazardous		105
47	DS26[2]	1.00	Non Hazardous		107
48	DS27	0.20	Non Hazardous		109
49	RO07	0.30	Non Hazardous		112
50	RO07[2]	0.70	Non Hazardous		114
51	RO04	0.20	Non Hazardous		116
52	RO01	0.50	Non Hazardous		118
53	RO01[2]	1.50	Non Hazardous		120
54	DS39	None Supplied	Non Hazardous		122
55	DS39[2]	None Supplied	Non Hazardous		124
56	DS40	None Supplied	Non Hazardous		126
57	DS41	None Supplied	Non Hazardous		128
58	DS41[2]	None Supplied	Non Hazardous		131

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
59	TP65	None Supplied	Non Hazardous		133
60	TP65[2]	None Supplied	Non Hazardous		135
61	TP67B	None Supplied	Non Hazardous		137

Related documents

#	Name	Description
1	BWB Contaminated Land Suite WM3	waste stream template used to create this Job

Report

Created by: Richard Robinson

Created date: 09 Oct 2025 14:31 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	140
Appendix B: Rationale for selection of metal species	141
Appendix C: Version	142

Classification of sample: DS03

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS03
Sample Depth:
0.10 m
Moisture content:
15%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.1 mg/kg	1.32	10.448 mg/kg	0.00104 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.71 mg/kg	2.775	1.713 mg/kg	0.000171 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.175 mg/kg	0.000817 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.447 mg/kg	0.0000348 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	26.689 mg/kg	0.00267 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	27.413 mg/kg	0.00274 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	44 mg/kg		38.261 mg/kg	0.00383 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		16 mg/kg	1.579	21.976 mg/kg	0.0022 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		51 mg/kg	4.398	195.038 mg/kg	0.0195 %	✓	
13	pH			PH		7.9 pH		7.9 pH	7.9 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.09	mg/kg		0.0783	mg/kg	0.00000783 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.13	mg/kg		0.113	mg/kg	0.0000113 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.11	mg/kg		0.0957	mg/kg	0.00000957 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.15	mg/kg		0.13	mg/kg	0.000013 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.06	mg/kg		0.0522	mg/kg	0.00000522 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.14	mg/kg		0.122	mg/kg	0.0000122 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0331 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS03[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS03[2]
Sample Depth:
2.00 m
Moisture content:
10%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.2 mg/kg	1.32	9.842 mg/kg	0.000984 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8 mg/kg	2.775	2.018 mg/kg	0.000202 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.663 mg/kg	0.000366 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	27.902 mg/kg	0.00279 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	14.329 mg/kg	0.00143 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.3 mg/kg		6.636 mg/kg	0.000664 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		27 mg/kg	1.579	38.77 mg/kg	0.00388 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		39 mg/kg	4.398	155.926 mg/kg	0.0156 %	✓	
13	pH			PH		7.3 pH		7.3 pH	7.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0259 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS01

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS01
Sample Depth:
0.20 m
Moisture content:
5.4%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.4% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.7 mg/kg	1.32	12.151 mg/kg	0.00122 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.66 mg/kg	2.775	1.738 mg/kg	0.000174 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.919 mg/kg	0.000892 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.488 mg/kg	0.000038 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24 mg/kg	1.462	33.28 mg/kg	0.00333 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25 mg/kg	1.126	26.705 mg/kg	0.00267 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	39 mg/kg		37.002 mg/kg	0.0037 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		16 mg/kg	1.579	23.977 mg/kg	0.0024 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		57 mg/kg	4.398	237.839 mg/kg	0.0238 %	✓	
13	pH			PH		7 pH		7 pH	7pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				180	mg/kg		170.778	mg/kg	0.0171 %	✓	
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.12	mg/kg		0.114	mg/kg	0.0000114 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.15	mg/kg		0.142	mg/kg	0.0000142 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.19	mg/kg		0.18	mg/kg	0.000018 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.08	mg/kg		0.0759	mg/kg	0.00000759 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.06	mg/kg		0.0569	mg/kg	0.00000569 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.15	mg/kg		0.142	mg/kg	0.0000142 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.25	mg/kg		0.237	mg/kg	0.0000237 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.08	mg/kg		0.0759	mg/kg	0.00000759 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.12	mg/kg		0.114	mg/kg	0.0000114 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.24	mg/kg		0.228	mg/kg	0.0000228 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0554 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0171%)

Classification of sample: DS01[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS01[2]
Sample Depth:
0.50 m
Moisture content:
13%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.2 mg/kg	1.32	7.244 mg/kg	0.000724 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.74 mg/kg	2.775	1.817 mg/kg	0.000182 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.6 mg/kg	13.43	7.131 mg/kg	0.000713 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		36 mg/kg	1.462	46.563 mg/kg	0.00466 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	18.931 mg/kg	0.00189 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9.5 mg/kg		8.407 mg/kg	0.000841 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		20 mg/kg	1.579	27.956 mg/kg	0.0028 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		31 mg/kg	4.398	120.651 mg/kg	0.0121 %	✓	
13	pH			PH		8.2 pH		8.2 pH	8.2 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				10	mg/kg		8.85	mg/kg	0.000885 %	✓	
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0248 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00088%)

Classification of sample: DS04

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS04
Sample Depth:
0.20 m
Moisture content:
12%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	14.146 mg/kg	0.00141 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.96 mg/kg	2.775	2.379 mg/kg	0.000238 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.593 mg/kg	0.000959 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.5 mg/kg	1.285	0.574 mg/kg	0.0000446 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	39.149 mg/kg	0.00391 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		35 mg/kg	1.126	35.184 mg/kg	0.00352 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	46 mg/kg		41.071 mg/kg	0.00411 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		22 mg/kg	1.579	31.026 mg/kg	0.0031 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.3 mg/kg	1.405	1.631 mg/kg	0.000163 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		69 mg/kg	4.398	270.944 mg/kg	0.0271 %	✓	
13	pH			PH		7.7 pH		7.7 pH	7.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.13	mg/kg		0.116	mg/kg	0.0000116 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.15	mg/kg		0.134	mg/kg	0.0000134 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.21	mg/kg		0.188	mg/kg	0.0000187 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.08	mg/kg		0.0714	mg/kg	0.00000714 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.07	mg/kg		0.0625	mg/kg	0.00000625 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.16	mg/kg		0.143	mg/kg	0.0000143 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.26	mg/kg		0.232	mg/kg	0.0000232 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.08	mg/kg		0.0714	mg/kg	0.00000714 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.14	mg/kg		0.125	mg/kg	0.0000125 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.24	mg/kg		0.214	mg/kg	0.0000214 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0447 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS04[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS04[2]
Sample Depth:
1.50 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.8 mg/kg	1.32	5.71 mg/kg	0.000571 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.84 mg/kg	2.775	2.1 mg/kg	0.00021 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.63 mg/kg	0.000363 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	32.918 mg/kg	0.00329 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	17.243 mg/kg	0.00172 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.7 mg/kg		6.937 mg/kg	0.000694 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		26 mg/kg	1.579	36.997 mg/kg	0.0037 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		44 mg/kg	4.398	174.332 mg/kg	0.0174 %	✓	
13	pH			PH		8 pH		8 pH	8pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.028 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS05

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS05
Sample Depth:
0.50 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.6 mg/kg	1.32	4.282 mg/kg	0.000428 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.5 mg/kg	0.00025 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.84 mg/kg	0.000484 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		40 mg/kg	1.462	52.669 mg/kg	0.00527 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22 mg/kg	1.126	22.315 mg/kg	0.00223 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11 mg/kg		9.91 mg/kg	0.000991 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		25 mg/kg	1.579	35.574 mg/kg	0.00356 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		39 mg/kg	4.398	154.522 mg/kg	0.0155 %	✓	
13	pH			PH		7.8 pH		7.8 pH	7.8 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0287 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS02

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS02
Sample Depth:
0.10 m
Moisture content:
17%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.2 mg/kg	1.32	9.254 mg/kg	0.000925 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.56 mg/kg	2.775	1.328 mg/kg	0.000133 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.739 mg/kg	0.000574 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.439 mg/kg	0.0000342 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	22.485 mg/kg	0.00225 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	26.944 mg/kg	0.00269 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	190 mg/kg		162.393 mg/kg	0.0162 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	16.2 mg/kg	0.00162 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.2 mg/kg	1.405	1.441 mg/kg	0.000144 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		64 mg/kg	4.398	240.57 mg/kg	0.0241 %	✓	
13	pH			PH		6.2 pH		6.2 pH	6.2 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				14	mg/kg		11.966	mg/kg	0.0012 %	✓	
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.08	mg/kg		0.0684	mg/kg	0.00000684 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.07	mg/kg		0.0598	mg/kg	0.00000598 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.11	mg/kg		0.094	mg/kg	0.0000094 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				0.11	mg/kg		0.094	mg/kg	0.0000094 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0499 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0012%)

Classification of sample: DS02[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS02[2]
Sample Depth:
3.00 m
Moisture content:
16%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.8 mg/kg	1.32	2.049 mg/kg	0.000205 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.52 mg/kg	2.775	1.244 mg/kg	0.000124 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.316 mg/kg	0.000232 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	20.159 mg/kg	0.00202 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	13.588 mg/kg	0.00136 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	5.8 mg/kg		5 mg/kg	0.0005 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	19.063 mg/kg	0.00191 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		27 mg/kg	4.398	102.366 mg/kg	0.0102 %	✓	
13	pH			PH		6.4 pH		6.4 pH	6.4 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0166 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS09

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS09
Sample Depth:
0.10 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.9 mg/kg	1.32	5.828 mg/kg	0.000583 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.59 mg/kg	2.775	1.475 mg/kg	0.000148 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.84 mg/kg	0.000484 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.232 mg/kg	0.000018 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	30.284 mg/kg	0.00303 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19 mg/kg	1.126	19.272 mg/kg	0.00193 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	22 mg/kg		19.82 mg/kg	0.00198 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		16 mg/kg	1.579	22.768 mg/kg	0.00228 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		41 mg/kg	4.398	162.446 mg/kg	0.0162 %	✓	
13	pH			PH		7.6 pH		7.6 pH	7.6 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
15		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		0.09	mg/kg		0.0811	mg/kg	0.00000811 %	✓	
27		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		pyrene		204-927-3	129-00-0		0.09	mg/kg		0.0811	mg/kg	0.00000811 %	✓	
32		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
											Total:	0.0267 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS08

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS08
Sample Depth:
0.10 m
Moisture content:
15%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.8 mg/kg	1.32	10.103 mg/kg	0.00101 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.68 mg/kg	2.775	1.641 mg/kg	0.000164 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.343 mg/kg	0.000934 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.447 mg/kg	0.0000348 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	29.231 mg/kg	0.00292 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		52 mg/kg	1.126	50.91 mg/kg	0.00509 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	84 mg/kg		73.043 mg/kg	0.0073 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		**<LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17 mg/kg	1.579	23.349 mg/kg	0.00233 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1 mg/kg	1.405	1.222 mg/kg	0.000122 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		63 mg/kg	4.398	240.93 mg/kg	0.0241 %	✓	
13	pH			PH		7.8 pH		7.8 pH	7.8 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				10	mg/kg		8.696	mg/kg	0.00087 %	✓	
				TPH									
16		acenaphthene				0.05	mg/kg		0.0435	mg/kg	0.00000435 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
18		anthracene				0.27	mg/kg		0.235	mg/kg	0.0000235 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.51	mg/kg		0.443	mg/kg	0.0000443 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.49	mg/kg		0.426	mg/kg	0.0000426 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.5	mg/kg		0.435	mg/kg	0.0000435 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.25	mg/kg		0.217	mg/kg	0.0000217 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.2	mg/kg		0.174	mg/kg	0.0000174 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.53	mg/kg		0.461	mg/kg	0.0000461 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.3	mg/kg		1.13	mg/kg	0.000113 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.07	mg/kg		0.0609	mg/kg	0.00000609 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.22	mg/kg		0.191	mg/kg	0.0000191 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.79	mg/kg		0.687	mg/kg	0.0000687 %	✓	
			201-581-5	85-01-8									
31		pyrene				1.1	mg/kg		0.957	mg/kg	0.0000957 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0454 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00087%)

Classification of sample: DS07

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS07
Sample Depth:
0.20 m
Moisture content:
19%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 19% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.2 mg/kg	1.32	10.208 mg/kg	0.00102 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.83 mg/kg	2.775	1.936 mg/kg	0.000194 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.029 mg/kg	0.000903 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.432 mg/kg	0.0000336 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	30.705 mg/kg	0.00307 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		30 mg/kg	1.126	28.384 mg/kg	0.00284 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	38 mg/kg		31.933 mg/kg	0.00319 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		20 mg/kg	1.579	26.546 mg/kg	0.00265 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.2 mg/kg	1.405	1.417 mg/kg	0.000142 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		57 mg/kg	4.398	210.657 mg/kg	0.0211 %	✓	
13	pH			PH		7.5 pH		7.5 pH	7.5 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.15	mg/kg		0.126	mg/kg	0.0000126 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0351 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS16

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS16
Sample Depth:
0.10 m
Moisture content:
6.7%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.7% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11 mg/kg	1.32	13.612 mg/kg	0.00136 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.54 mg/kg	2.775	1.405 mg/kg	0.00014 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	10.069 mg/kg	0.00101 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.361 mg/kg	0.0000281 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	27.396 mg/kg	0.00274 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22 mg/kg	1.126	23.214 mg/kg	0.00232 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	36 mg/kg		33.739 mg/kg	0.00337 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	19.244 mg/kg	0.00192 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		51 mg/kg	4.398	210.21 mg/kg	0.021 %	✓	
13	pH			PH		7.4 pH		7.4 pH	7.4 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.08	mg/kg		0.075	mg/kg	0.0000075 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.13	mg/kg		0.122	mg/kg	0.0000122 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.15	mg/kg		0.141	mg/kg	0.0000141 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.07	mg/kg		0.0656	mg/kg	0.00000656 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.12	mg/kg		0.112	mg/kg	0.0000112 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.18	mg/kg		0.169	mg/kg	0.0000169 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.06	mg/kg		0.0562	mg/kg	0.00000562 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.07	mg/kg		0.0656	mg/kg	0.00000656 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.16	mg/kg		0.15	mg/kg	0.000015 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.034 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS14

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS14
Sample Depth:
1.95 m
Moisture content:
3.1%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.1% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.5 mg/kg	1.32	8.324 mg/kg	0.000832 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.3 mg/kg	2.775	0.808 mg/kg	0.0000808 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.908 mg/kg	0.000391 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.3 mg/kg	1.462	8.931 mg/kg	0.000893 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.2 mg/kg	1.126	3.495 mg/kg	0.000349 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	2.5 mg/kg		2.425 mg/kg	0.000242 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	21.448 mg/kg	0.00214 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				4.7 mg/kg	1.405	6.405 mg/kg	0.00064 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		13 mg/kg	4.398	55.454 mg/kg	0.00555 %	✓	
13	pH			PH		7.9 pH		7.9 pH	7.9 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0111 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS15

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS15
Sample Depth:
0.20 m
Moisture content:
9.9%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.9% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	14.417 mg/kg	0.00144 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.57 mg/kg	2.775	1.439 mg/kg	0.000144 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.3 mg/kg	13.43	15.886 mg/kg	0.00159 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.468 mg/kg	0.0000364 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	23.938 mg/kg	0.00239 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37 mg/kg	1.126	37.905 mg/kg	0.00379 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	64 mg/kg		58.235 mg/kg	0.00582 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	18.684 mg/kg	0.00187 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.1 mg/kg	1.405	1.406 mg/kg	0.000141 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		89 mg/kg	4.398	356.156 mg/kg	0.0356 %	✓	
13	pH			PH		7.3 pH		7.3 pH	7.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				0.06	mg/kg		0.0546	mg/kg	0.00000546 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.16	mg/kg		0.146	mg/kg	0.0000146 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.64	mg/kg		0.582	mg/kg	0.0000582 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.72	mg/kg		0.655	mg/kg	0.0000655 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.77	mg/kg		0.701	mg/kg	0.0000701 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.4	mg/kg		0.364	mg/kg	0.0000364 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.25	mg/kg		0.227	mg/kg	0.0000227 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.75	mg/kg		0.682	mg/kg	0.0000682 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				0.08	mg/kg		0.0728	mg/kg	0.00000728 %	✓	
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.3	mg/kg		1.183	mg/kg	0.000118 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.07	mg/kg		0.0637	mg/kg	0.00000637 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.3	mg/kg		0.273	mg/kg	0.0000273 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.71	mg/kg		0.646	mg/kg	0.0000646 %	✓	
			201-581-5	85-01-8									
31		pyrene				1.3	mg/kg		1.183	mg/kg	0.000118 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0535 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS17

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS17
Sample Depth:
0.20 m
Moisture content:
10%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11 mg/kg	1.32	13.203 mg/kg	0.00132 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5 mg/kg	2.775	1.262 mg/kg	0.000126 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.767 mg/kg	0.000977 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.467 mg/kg	0.0000364 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	21.259 mg/kg	0.00213 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	28.659 mg/kg	0.00287 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	58 mg/kg		52.727 mg/kg	0.00527 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	17.231 mg/kg	0.00172 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.1 mg/kg	1.405	1.405 mg/kg	0.000141 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		73 mg/kg	4.398	291.862 mg/kg	0.0292 %	✓	
13	pH			PH		7.9 pH		7.9 pH	7.9 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.17	mg/kg		0.155	mg/kg	0.0000155 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.24	mg/kg		0.218	mg/kg	0.0000218 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.25	mg/kg		0.227	mg/kg	0.0000227 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.12	mg/kg		0.109	mg/kg	0.0000109 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.09	mg/kg		0.0818	mg/kg	0.00000818 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.22	mg/kg		0.2	mg/kg	0.00002 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.35	mg/kg		0.318	mg/kg	0.0000318 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.11	mg/kg		0.1	mg/kg	0.00001 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.17	mg/kg		0.155	mg/kg	0.0000155 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.37	mg/kg		0.336	mg/kg	0.0000336 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.044 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS17[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS17[2]
Sample Depth:
1.00 m
Moisture content:
7.4%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.4% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.1 mg/kg	1.32	9.958 mg/kg	0.000996 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.89 mg/kg	2.775	2.3 mg/kg	0.00023 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.501 mg/kg	0.00025 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		81 mg/kg	1.462	110.229 mg/kg	0.011 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.5 mg/kg	1.126	4.717 mg/kg	0.000472 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	3 mg/kg		2.793 mg/kg	0.000279 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		11 mg/kg	1.579	16.177 mg/kg	0.00162 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		21 mg/kg	4.398	85.993 mg/kg	0.0086 %	✓	
13	pH			PH		6.3 pH		6.3 pH	6.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0235 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS18

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS18
Sample Depth:
0.20 m
Moisture content:
14%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	13.898 mg/kg	0.00139 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.52 mg/kg	2.775	1.266 mg/kg	0.000127 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.3 mg/kg	13.43	15.315 mg/kg	0.00153 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.451 mg/kg	0.0000351 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22 mg/kg	1.462	28.205 mg/kg	0.00282 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28 mg/kg	1.126	27.653 mg/kg	0.00277 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	49 mg/kg		42.982 mg/kg	0.0043 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	19.397 mg/kg	0.00194 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.3 mg/kg	1.405	1.602 mg/kg	0.00016 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		65 mg/kg	4.398	250.759 mg/kg	0.0251 %	✓	
13	pH			PH		6.7 pH		6.7 pH	6.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				12	mg/kg		10.526	mg/kg	0.00105 %	✓	
				TPH									
16		acenaphthene				0.29	mg/kg		0.254	mg/kg	0.0000254 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.3	mg/kg		0.263	mg/kg	0.0000263 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.87	mg/kg		0.763	mg/kg	0.0000763 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.97	mg/kg		0.851	mg/kg	0.0000851 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				1	mg/kg		0.877	mg/kg	0.0000877 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.5	mg/kg		0.439	mg/kg	0.0000439 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.34	mg/kg		0.298	mg/kg	0.0000298 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.95	mg/kg		0.833	mg/kg	0.0000833 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				0.1	mg/kg		0.0877	mg/kg	0.00000877 %	✓	
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.9	mg/kg		1.667	mg/kg	0.000167 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.18	mg/kg		0.158	mg/kg	0.0000158 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.42	mg/kg		0.368	mg/kg	0.0000368 %	✓	
			205-893-2	193-39-5									
29		naphthalene				0.11	mg/kg		0.0965	mg/kg	0.00000965 %	✓	
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				1.5	mg/kg		1.316	mg/kg	0.000132 %	✓	
			201-581-5	85-01-8									
31		pyrene				1.8	mg/kg		1.579	mg/kg	0.000158 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0422 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00105%)

Classification of sample: DS18[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS18[2]
Sample Depth:
0.60 m
Moisture content:
12%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.6 mg/kg	1.32	8.959 mg/kg	0.000896 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.75 mg/kg	2.775	1.858 mg/kg	0.000186 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.394 mg/kg	0.000839 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		32 mg/kg	1.462	41.759 mg/kg	0.00418 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	18.095 mg/kg	0.00181 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9.8 mg/kg		8.75 mg/kg	0.000875 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		24 mg/kg	1.579	33.846 mg/kg	0.00338 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		39 mg/kg	4.398	153.142 mg/kg	0.0153 %	✓	
13	pH			PH		7.4 pH		7.4 pH	7.4 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
15		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
32		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
											Total:	0.0275 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS06

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS06
Sample Depth:
0.40 m
Moisture content:
14%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.4 mg/kg	1.32	9.729 mg/kg	0.000973 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.53 mg/kg	2.775	1.29 mg/kg	0.000129 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.246 mg/kg	0.000825 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.338 mg/kg	0.0000263 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	20.513 mg/kg	0.00205 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	20.74 mg/kg	0.00207 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	29 mg/kg		25.439 mg/kg	0.00254 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	19.397 mg/kg	0.00194 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		55 mg/kg	4.398	212.181 mg/kg	0.0212 %	✓	
13	pH			PH		7.7 pH		7.7 pH	7.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				13	mg/kg		11.404	mg/kg	0.00114 %	✓	
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.09	mg/kg		0.0789	mg/kg	0.00000789 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.11	mg/kg		0.0965	mg/kg	0.00000965 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.13	mg/kg		0.114	mg/kg	0.0000114 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.07	mg/kg		0.0614	mg/kg	0.00000614 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.05	mg/kg		0.0439	mg/kg	0.00000439 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.09	mg/kg		0.0789	mg/kg	0.00000789 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.14	mg/kg		0.123	mg/kg	0.0000123 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.06	mg/kg		0.0526	mg/kg	0.00000526 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
31		pyrene				0.15	mg/kg		0.132	mg/kg	0.0000132 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.033 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00114%)

Classification of sample: DS06[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS06[2]
Sample Depth:
1.40 m
Moisture content:
14%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.6 mg/kg	1.32	4.169 mg/kg	0.000417 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.22 mg/kg	2.775	0.536 mg/kg	0.0000536 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.356 mg/kg	0.000236 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11 mg/kg	1.462	14.103 mg/kg	0.00141 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.4 mg/kg	1.126	9.284 mg/kg	0.000928 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4.5 mg/kg		3.947 mg/kg	0.000395 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.3 mg/kg	1.579	12.885 mg/kg	0.00129 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		18 mg/kg	4.398	69.441 mg/kg	0.00694 %	✓	
13	pH			PH		7.7 pH		7.7 pH	7.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0117 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS20

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS20
Sample Depth:
0.40 m
Moisture content:
12%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.1 mg/kg	1.32	10.728 mg/kg	0.00107 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.49 mg/kg	2.775	1.214 mg/kg	0.000121 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.593 mg/kg	0.000959 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.344 mg/kg	0.0000268 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	19.574 mg/kg	0.00196 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25 mg/kg	1.126	25.131 mg/kg	0.00251 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	41 mg/kg		36.607 mg/kg	0.00366 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	16.923 mg/kg	0.00169 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		51 mg/kg	4.398	200.263 mg/kg	0.02 %	✓	
13	pH			PH		8 pH		8 pH	8pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				11	mg/kg		9.821	mg/kg	0.000982 %	✓	
				TPH									
16		acenaphthene				0.08	mg/kg		0.0714	mg/kg	0.00000714 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.14	mg/kg		0.125	mg/kg	0.0000125 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.56	mg/kg		0.5	mg/kg	0.00005 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.59	mg/kg		0.527	mg/kg	0.0000527 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.63	mg/kg		0.563	mg/kg	0.0000563 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.27	mg/kg		0.241	mg/kg	0.0000241 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.25	mg/kg		0.223	mg/kg	0.0000223 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.6	mg/kg		0.536	mg/kg	0.0000536 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.2	mg/kg		1.071	mg/kg	0.000107 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.05	mg/kg		0.0446	mg/kg	0.00000446 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.24	mg/kg		0.214	mg/kg	0.0000214 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.67	mg/kg		0.598	mg/kg	0.0000598 %	✓	
			201-581-5	85-01-8									
31		pyrene				1.2	mg/kg		1.071	mg/kg	0.000107 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0336 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00098%)

Classification of sample: DS20[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS20[2]
Sample Depth:
0.70 m
Moisture content:
15%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1 mg/kg	1.32	8.152 mg/kg	0.000815 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5 mg/kg	2.775	1.207 mg/kg	0.000121 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.839 mg/kg	0.000584 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		**<LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28 mg/kg	1.462	35.586 mg/kg	0.00356 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	11.748 mg/kg	0.00117 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11 mg/kg		9.565 mg/kg	0.000957 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		**<LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19 mg/kg	1.579	26.096 mg/kg	0.00261 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.1 mg/kg	1.405	1.344 mg/kg	0.000134 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		37 mg/kg	4.398	141.498 mg/kg	0.0141 %	✓	
13	pH			PH		7.5 pH		7.5 pH	7.5 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0241 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS19

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS19
Sample Depth:
0.30 m
Moisture content:
6.6%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.6% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.1 mg/kg	1.32	6.317 mg/kg	0.000632 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.3 mg/kg	2.775	0.781 mg/kg	0.0000781 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.299 mg/kg	0.00063 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14 mg/kg	1.462	19.195 mg/kg	0.00192 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	14.787 mg/kg	0.00148 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	14 mg/kg		13.133 mg/kg	0.00131 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	17.78 mg/kg	0.00178 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		32 mg/kg	4.398	132.02 mg/kg	0.0132 %	✓	
13	pH			PH		7.9 pH		7.9 pH	7.9 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
15		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.08	mg/kg		0.075	mg/kg	0.0000075 %	✓	
20		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.09	mg/kg		0.0844	mg/kg	0.00000844 %	✓	
21		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.08	mg/kg		0.075	mg/kg	0.0000075 %	✓	
22		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		chrysene	601-048-00-0	205-923-4	218-01-9		0.08	mg/kg		0.075	mg/kg	0.0000075 %	✓	
25		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		0.15	mg/kg		0.141	mg/kg	0.0000141 %	✓	
27		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		phenanthrene		201-581-5	85-01-8		0.1	mg/kg		0.0938	mg/kg	0.00000938 %	✓	
31		pyrene		204-927-3	129-00-0		0.16	mg/kg		0.15	mg/kg	0.000015 %	✓	
32		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
											Total:	0.0211 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS19[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS19[2]
Sample Depth:
0.80 m
Moisture content:
6.4%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.4% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3 mg/kg	1.32	3.723 mg/kg	0.000372 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.37 mg/kg	2.775	0.965 mg/kg	0.0000965 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	5.049 mg/kg	0.000505 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.9 mg/kg	1.462	10.852 mg/kg	0.00109 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.6 mg/kg	1.126	5.926 mg/kg	0.000593 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1.8 mg/kg		1.692 mg/kg	0.000169 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		8.9 mg/kg	1.579	13.212 mg/kg	0.00132 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		15 mg/kg	4.398	62.001 mg/kg	0.0062 %	✓	
13	pH			PH		6.4 pH		6.4 pH	6.4 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0103 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS20[3]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS20[3]
Sample Depth:
0.10 m
Moisture content:
14%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.7 mg/kg	1.32	11.234 mg/kg	0.00112 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.61 mg/kg	2.775	1.485 mg/kg	0.000149 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.9 mg/kg	13.43	10.603 mg/kg	0.00106 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.338 mg/kg	0.0000263 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	23.077 mg/kg	0.00231 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		31 mg/kg	1.126	30.616 mg/kg	0.00306 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	55 mg/kg		48.246 mg/kg	0.00482 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		**<LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	18.012 mg/kg	0.0018 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.1 mg/kg	1.405	1.356 mg/kg	0.000136 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		58 mg/kg	4.398	223.754 mg/kg	0.0224 %	✓	
13	pH			PH		7.4 pH		7.4 pH	7.4 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				12	mg/kg		10.526	mg/kg	0.00105 %	✓	
				TPH									
16		acenaphthene				0.1	mg/kg		0.0877	mg/kg	0.00000877 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
18		anthracene				0.19	mg/kg		0.167	mg/kg	0.0000167 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.85	mg/kg		0.746	mg/kg	0.0000746 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.89	mg/kg		0.781	mg/kg	0.0000781 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.99	mg/kg		0.868	mg/kg	0.0000868 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.45	mg/kg		0.395	mg/kg	0.0000395 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.4	mg/kg		0.351	mg/kg	0.0000351 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.87	mg/kg		0.763	mg/kg	0.0000763 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				0.07	mg/kg		0.0614	mg/kg	0.00000614 %	✓	
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.7	mg/kg		1.491	mg/kg	0.000149 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.08	mg/kg		0.0702	mg/kg	0.00000702 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.39	mg/kg		0.342	mg/kg	0.0000342 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.93	mg/kg		0.816	mg/kg	0.0000816 %	✓	
			201-581-5	85-01-8									
31		pyrene				1.7	mg/kg		1.491	mg/kg	0.000149 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0388 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00105%)

Classification of sample: DS20[4]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS20[4]
Sample Depth:
0.30 m
Moisture content:
10%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.2 mg/kg	1.32	1.44 mg/kg	0.000144 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.23 mg/kg	2.775	0.58 mg/kg	0.000058 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.663 mg/kg	0.000366 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		15 mg/kg	1.462	19.93 mg/kg	0.00199 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.2 mg/kg	1.126	7.369 mg/kg	0.000737 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.5 mg/kg		7.727 mg/kg	0.000773 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		7.5 mg/kg	1.579	10.769 mg/kg	0.00108 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		15 mg/kg	4.398	59.972 mg/kg	0.006 %	✓	
13	pH			PH		6.6 pH		6.6 pH	6.6 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0111 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS32

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS32
Sample Depth:
0.10 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1 mg/kg	1.32	8.445 mg/kg	0.000845 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.52 mg/kg	2.775	1.3 mg/kg	0.00013 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1 mg/kg	13.43	12.099 mg/kg	0.00121 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.347 mg/kg	0.000027 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	23.701 mg/kg	0.00237 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26 mg/kg	1.126	26.372 mg/kg	0.00264 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	37 mg/kg		33.333 mg/kg	0.00333 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	18.499 mg/kg	0.00185 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		48 mg/kg	4.398	190.181 mg/kg	0.019 %	✓	
13	pH			PH		7.4 pH		7.4 pH	7.4 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				15	mg/kg		13.514	mg/kg	0.00135 %	✓	
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.05	mg/kg		0.045	mg/kg	0.0000045 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.27	mg/kg		0.243	mg/kg	0.0000243 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.34	mg/kg		0.306	mg/kg	0.0000306 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.41	mg/kg		0.369	mg/kg	0.0000369 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.18	mg/kg		0.162	mg/kg	0.0000162 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.16	mg/kg		0.144	mg/kg	0.0000144 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.33	mg/kg		0.297	mg/kg	0.0000297 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.53	mg/kg		0.477	mg/kg	0.0000477 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.16	mg/kg		0.144	mg/kg	0.0000144 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.25	mg/kg		0.225	mg/kg	0.0000225 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.53	mg/kg		0.477	mg/kg	0.0000477 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0331 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00135%)

Classification of sample: DS32[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS32[2]
Sample Depth:
0.50 m
Moisture content:
9.6%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 9.6% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.8 mg/kg	1.32	3.373 mg/kg	0.000337 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.62 mg/kg	2.775	1.57 mg/kg	0.000157 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.901 mg/kg	0.00049 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29 mg/kg	1.462	38.673 mg/kg	0.00387 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	16.436 mg/kg	0.00164 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.6 mg/kg		6.934 mg/kg	0.000693 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19 mg/kg	1.579	27.382 mg/kg	0.00274 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		31 mg/kg	4.398	124.394 mg/kg	0.0124 %	✓	
13	pH			PH		7.1 pH		7.1 pH	7.1 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0224 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS33

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS33
Sample Depth:
0.30 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.5 mg/kg	1.32	1.784 mg/kg	0.000178 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.42 mg/kg	2.775	1.05 mg/kg	0.000105 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.84 mg/kg	0.000484 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	32.918 mg/kg	0.00329 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.8 mg/kg	1.126	9.94 mg/kg	0.000994 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.8 mg/kg		7.027 mg/kg	0.000703 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19 mg/kg	1.579	27.036 mg/kg	0.0027 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		30 mg/kg	4.398	118.863 mg/kg	0.0119 %	✓	
13	pH			PH		7.2 pH		7.2 pH	7.2 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0203 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS33[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS33[2]
Sample Depth:
1.20 m
Moisture content:
10%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.5 mg/kg	1.32	3.001 mg/kg	0.0003 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.63 mg/kg	2.775	1.59 mg/kg	0.000159 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.105 mg/kg	0.00061 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	27.902 mg/kg	0.00279 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	13.306 mg/kg	0.00133 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9.8 mg/kg		8.909 mg/kg	0.000891 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17 mg/kg	1.579	24.41 mg/kg	0.00244 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		31 mg/kg	4.398	123.942 mg/kg	0.0124 %	✓	
13	pH			PH		5 pH		5 pH	5pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0209 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS30

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS30
Sample Depth:
0.10 m
Moisture content:
14%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.8 mg/kg	1.32	7.876 mg/kg	0.000788 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.41 mg/kg	2.775	0.998 mg/kg	0.0000998 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.712 mg/kg	0.000471 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.225 mg/kg	0.0000175 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		14 mg/kg	1.462	17.949 mg/kg	0.00179 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27 mg/kg	1.126	26.666 mg/kg	0.00267 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	37 mg/kg		32.456 mg/kg	0.00325 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		8.7 mg/kg	1.579	12.054 mg/kg	0.00121 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		43 mg/kg	4.398	165.887 mg/kg	0.0166 %	✓	
13	pH			PH		6.6 pH		6.6 pH	6.6 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
15		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.19	mg/kg		0.167	mg/kg	0.0000167 %	✓	
20		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.19	mg/kg		0.167	mg/kg	0.0000167 %	✓	
21		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.23	mg/kg		0.202	mg/kg	0.0000202 %	✓	
22		benzo[ghi]perylene		205-883-8	191-24-2		0.13	mg/kg		0.114	mg/kg	0.0000114 %	✓	
23		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.07	mg/kg		0.0614	mg/kg	0.00000614 %	✓	
24		chrysene	601-048-00-0	205-923-4	218-01-9		0.21	mg/kg		0.184	mg/kg	0.0000184 %	✓	
25		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		0.37	mg/kg		0.325	mg/kg	0.0000325 %	✓	
27		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		indeno[123-cd]pyrene		205-893-2	193-39-5		0.09	mg/kg		0.0789	mg/kg	0.00000789 %	✓	
29		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		phenanthrene		201-581-5	85-01-8		0.21	mg/kg		0.184	mg/kg	0.0000184 %	✓	
31		pyrene		204-927-3	129-00-0		0.41	mg/kg		0.36	mg/kg	0.000036 %	✓	
32		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
											Total:	0.0271 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS30[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS30[2]
Sample Depth:
1.80 m
Moisture content:
8.2%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.2% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.9 mg/kg	1.32	2.319 mg/kg	0.000232 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.49 mg/kg	2.775	1.257 mg/kg	0.000126 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.482 mg/kg	0.000248 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		8.7 mg/kg	1.462	11.752 mg/kg	0.00118 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.9 mg/kg	1.126	6.139 mg/kg	0.000614 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	2.3 mg/kg		2.126 mg/kg	0.000213 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5.2 mg/kg	1.579	7.591 mg/kg	0.000759 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		11 mg/kg	4.398	44.711 mg/kg	0.00447 %	✓	
13	pH			PH		5.3 pH		5.3 pH	5.3 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.00784 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS35

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS35
Sample Depth:
0.55 m
Moisture content:
13%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2 mg/kg	1.32	2.337 mg/kg	0.000234 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.46 mg/kg	2.775	1.13 mg/kg	0.000113 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.565 mg/kg	0.000357 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19 mg/kg	1.462	24.575 mg/kg	0.00246 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	11.956 mg/kg	0.0012 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6.7 mg/kg		5.929 mg/kg	0.000593 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	18.171 mg/kg	0.00182 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		20 mg/kg	4.398	77.839 mg/kg	0.00778 %	✓	
13	pH			PH		7.5 pH		7.5 pH	7.5 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0146 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS22

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS22
Sample Depth:
0.20 m
Moisture content:
13%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	14.021 mg/kg	0.0014 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.66 mg/kg	2.775	1.621 mg/kg	0.000162 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1 mg/kg	13.43	11.885 mg/kg	0.00119 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.5 mg/kg	1.285	0.569 mg/kg	0.0000442 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	21.988 mg/kg	0.0022 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		45 mg/kg	1.126	44.836 mg/kg	0.00448 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	74 mg/kg		65.487 mg/kg	0.00655 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		**<LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	18.171 mg/kg	0.00182 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.5 mg/kg	1.405	1.865 mg/kg	0.000187 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		130 mg/kg	4.398	505.956 mg/kg	0.0506 %	✓	
13	pH			PH		6.8 pH		6.8 pH	6.8 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
18		anthracene				0.09	mg/kg		0.0796	mg/kg	0.00000796 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.4	mg/kg		0.354	mg/kg	0.0000354 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.4	mg/kg		0.354	mg/kg	0.0000354 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.46	mg/kg		0.407	mg/kg	0.0000407 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.22	mg/kg		0.195	mg/kg	0.0000195 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.16	mg/kg		0.142	mg/kg	0.0000142 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.42	mg/kg		0.372	mg/kg	0.0000372 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.8	mg/kg		0.708	mg/kg	0.0000708 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.19	mg/kg		0.168	mg/kg	0.0000168 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.5	mg/kg		0.442	mg/kg	0.0000442 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.77	mg/kg		0.681	mg/kg	0.0000681 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.069 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS22[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS22[2]
Sample Depth:
1.00 m
Moisture content:
7.7%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.7% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.7 mg/kg	1.32	3.31 mg/kg	0.000331 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.28 mg/kg	2.775	0.722 mg/kg	0.0000722 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.494 mg/kg	0.000249 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		9.7 mg/kg	1.462	13.164 mg/kg	0.00132 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.2 mg/kg	1.126	6.481 mg/kg	0.000648 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	3.3 mg/kg		3.064 mg/kg	0.000306 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5.7 mg/kg	1.579	8.359 mg/kg	0.000836 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		14 mg/kg	4.398	57.169 mg/kg	0.00572 %	✓	
13	pH			PH		7.6 pH		7.6 pH	7.6 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
15		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
32		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
											Total:	0.00948 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS31

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS31
Sample Depth:
0.50 m
Moisture content:
17%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.6 mg/kg	1.32	4.063 mg/kg	0.000406 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.46 mg/kg	2.775	1.091 mg/kg	0.000109 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	8.035 mg/kg	0.000804 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	21.236 mg/kg	0.00212 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10 mg/kg	1.126	9.623 mg/kg	0.000962 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13 mg/kg		11.111 mg/kg	0.00111 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		11 mg/kg	1.579	14.85 mg/kg	0.00148 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		23 mg/kg	4.398	86.455 mg/kg	0.00865 %	✓	
13	pH			PH		7.1 pH		7.1 pH	7.1 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0156 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS31[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS31[2]
Sample Depth:
1.00 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.9 mg/kg	1.32	7.018 mg/kg	0.000702 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.68 mg/kg	2.775	1.7 mg/kg	0.00017 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.63 mg/kg	0.000363 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	27.651 mg/kg	0.00277 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		14 mg/kg	1.126	14.2 mg/kg	0.00142 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.1 mg/kg		6.396 mg/kg	0.00064 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		20 mg/kg	1.579	28.459 mg/kg	0.00285 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		25 mg/kg	4.398	99.052 mg/kg	0.00991 %	✓	
13	pH			PH		8.3 pH		8.3 pH	8.3 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				27 mg/kg		24.324 mg/kg	0.00243 %	✓	
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0212 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00243%)

Classification of sample: DS34

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS34
Sample Depth:
0.30 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.9 mg/kg	1.32	9.397 mg/kg	0.00094 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.51 mg/kg	2.775	1.275 mg/kg	0.000128 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.05 mg/kg	0.000605 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.232 mg/kg	0.000018 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	21.067 mg/kg	0.00211 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24 mg/kg	1.126	24.344 mg/kg	0.00243 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42 mg/kg		37.838 mg/kg	0.00378 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	17.076 mg/kg	0.00171 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		55 mg/kg	4.398	217.915 mg/kg	0.0218 %	✓	
13	pH			PH		6.8 pH		6.8 pH	6.8 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.11	mg/kg		0.0991	mg/kg	0.00000991 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.14	mg/kg		0.126	mg/kg	0.0000126 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.16	mg/kg		0.144	mg/kg	0.0000144 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.09	mg/kg		0.0811	mg/kg	0.00000811 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.05	mg/kg		0.045	mg/kg	0.0000045 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.16	mg/kg		0.144	mg/kg	0.0000144 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.25	mg/kg		0.225	mg/kg	0.0000225 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.07	mg/kg		0.0631	mg/kg	0.00000631 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.12	mg/kg		0.108	mg/kg	0.0000108 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.25	mg/kg		0.225	mg/kg	0.0000225 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0336 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS34[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS34[2]
Sample Depth:
0.80 m
Moisture content:
5.8%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.8% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.09 mg/kg	2.775	0.236 mg/kg	0.0000236 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		6.2 mg/kg	1.462	8.565 mg/kg	0.000856 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3.7 mg/kg	1.126	3.937 mg/kg	0.000394 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1.8 mg/kg		1.701 mg/kg	0.00017 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		2.3 mg/kg	1.579	3.434 mg/kg	0.000343 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		7.2 mg/kg	4.398	29.929 mg/kg	0.00299 %	✓	
13	pH			PH		7.3 pH		7.3 pH	7.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.00478 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS37

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS37
Sample Depth:
0.10 m
Moisture content:
12%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10 mg/kg	1.32	11.789 mg/kg	0.00118 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.55 mg/kg	2.775	1.363 mg/kg	0.000136 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1 mg/kg	13.43	11.991 mg/kg	0.0012 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.459 mg/kg	0.0000357 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	22.184 mg/kg	0.00222 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		30 mg/kg	1.126	30.158 mg/kg	0.00302 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	54 mg/kg		48.214 mg/kg	0.00482 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	16.923 mg/kg	0.00169 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.3 mg/kg	1.405	1.631 mg/kg	0.000163 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		67 mg/kg	4.398	263.09 mg/kg	0.0263 %	✓	
13	pH			PH		6.8 pH		6.8 pH	6.8 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.05	mg/kg		0.0446	mg/kg	0.00000446 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.29	mg/kg		0.259	mg/kg	0.0000259 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.35	mg/kg		0.313	mg/kg	0.0000313 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.38	mg/kg		0.339	mg/kg	0.0000339 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.21	mg/kg		0.188	mg/kg	0.0000187 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.19	mg/kg		0.17	mg/kg	0.000017 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.38	mg/kg		0.339	mg/kg	0.0000339 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.61	mg/kg		0.545	mg/kg	0.0000545 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.17	mg/kg		0.152	mg/kg	0.0000152 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.37	mg/kg		0.33	mg/kg	0.000033 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.64	mg/kg		0.571	mg/kg	0.0000571 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0411 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS37[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS37[2]
Sample Depth:
0.50 m
Moisture content:
5%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.1 mg/kg	1.32	1.383 mg/kg	0.000138 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.17 mg/kg	2.775	0.449 mg/kg	0.0000449 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.558 mg/kg	0.000256 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.9 mg/kg	1.462	10.996 mg/kg	0.0011 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.2 mg/kg	1.126	4.504 mg/kg	0.00045 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	2.3 mg/kg		2.19 mg/kg	0.000219 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		4.3 mg/kg	1.579	6.468 mg/kg	0.000647 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		11 mg/kg	4.398	46.074 mg/kg	0.00461 %	✓	
13	pH			PH		7.2 pH		7.2 pH	7.2 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.00746 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS38

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS38
Sample Depth:
0.15 m
Moisture content:
16%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		13 mg/kg	1.32	14.797 mg/kg	0.00148 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.83 mg/kg	2.775	1.986 mg/kg	0.000199 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	12.735 mg/kg	0.00127 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.443 mg/kg	0.0000345 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	21.419 mg/kg	0.00214 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		55 mg/kg	1.126	53.383 mg/kg	0.00534 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	73 mg/kg		62.931 mg/kg	0.00629 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	19.063 mg/kg	0.00191 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		80 mg/kg	4.398	303.305 mg/kg	0.0303 %	✓	
13	pH			PH		6.7 pH		6.7 pH	6.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				0.05	mg/kg		0.0431	mg/kg	0.00000431 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.12	mg/kg		0.103	mg/kg	0.0000103 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.57	mg/kg		0.491	mg/kg	0.0000491 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.64	mg/kg		0.552	mg/kg	0.0000552 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.76	mg/kg		0.655	mg/kg	0.0000655 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.36	mg/kg		0.31	mg/kg	0.000031 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.24	mg/kg		0.207	mg/kg	0.0000207 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.6	mg/kg		0.517	mg/kg	0.0000517 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				0.06	mg/kg		0.0517	mg/kg	0.00000517 %	✓	
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.2	mg/kg		1.034	mg/kg	0.000103 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.3	mg/kg		0.259	mg/kg	0.0000259 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.62	mg/kg		0.534	mg/kg	0.0000534 %	✓	
			201-581-5	85-01-8									
31		pyrene				1.2	mg/kg		1.034	mg/kg	0.000103 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0496 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS38[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS38[2]
Sample Depth:
0.40 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑							
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.6	mg/kg	1.32	3.093	mg/kg	0.000309 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.38	mg/kg	2.775	0.95	mg/kg	0.000095 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5	mg/kg	13.43	6.05	mg/kg	0.000605 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22	mg/kg	1.462	28.968	mg/kg	0.0029 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16	mg/kg	1.126	16.229	mg/kg	0.00162 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7.7	mg/kg		6.937	mg/kg	0.000694 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15	mg/kg	1.579	21.345	mg/kg	0.00213 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		26	mg/kg	4.398	103.014	mg/kg	0.0103 %	✓	
13	pH			PH		6	pH		6	pH	6pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0187 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS37[3]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS37[3]
Sample Depth:
0.50 m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.1 mg/kg	1.32	2.498 mg/kg	0.00025 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.46 mg/kg	2.775	1.15 mg/kg	0.000115 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.05 mg/kg	0.000605 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		21 mg/kg	1.462	27.651 mg/kg	0.00277 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	16.229 mg/kg	0.00162 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7 mg/kg		6.306 mg/kg	0.000631 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12 mg/kg	1.579	17.076 mg/kg	0.00171 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		22 mg/kg	4.398	87.166 mg/kg	0.00872 %	✓	
13	pH			PH		6.8 pH		6.8 pH	6.8 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				1400 mg/kg		1261.261 mg/kg	0.126 %	✓	
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.143 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.126%)

Classification of sample: DS26

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS26
Sample Depth:
0.20 m
Moisture content:
10%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.4 mg/kg	1.32	8.882 mg/kg	0.000888 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5 mg/kg	2.775	1.262 mg/kg	0.000126 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.105 mg/kg	0.00061 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.234 mg/kg	0.0000182 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18 mg/kg	1.462	23.916 mg/kg	0.00239 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		37 mg/kg	1.126	37.871 mg/kg	0.00379 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	39 mg/kg		35.455 mg/kg	0.00355 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	20.103 mg/kg	0.00201 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		83 mg/kg	4.398	331.844 mg/kg	0.0332 %	✓	
13	pH			PH		7.3 pH		7.3 pH	7.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.23	mg/kg		0.209	mg/kg	0.0000209 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.28	mg/kg		0.255	mg/kg	0.0000255 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.3	mg/kg		0.273	mg/kg	0.0000273 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.16	mg/kg		0.145	mg/kg	0.0000145 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.13	mg/kg		0.118	mg/kg	0.0000118 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.26	mg/kg		0.236	mg/kg	0.0000236 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.45	mg/kg		0.409	mg/kg	0.0000409 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.15	mg/kg		0.136	mg/kg	0.0000136 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.17	mg/kg		0.155	mg/kg	0.0000155 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.42	mg/kg		0.382	mg/kg	0.0000382 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0468 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS26[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS26[2]
Sample Depth:
1.00 m
Moisture content:
5.4%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.4% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.1 mg/kg	1.32	1.378 mg/kg	0.000138 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.22 mg/kg	2.775	0.579 mg/kg	0.0000579 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.823 mg/kg	0.000382 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		**<LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5 mg/kg	1.462	6.933 mg/kg	0.000693 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7.7 mg/kg	1.126	8.225 mg/kg	0.000823 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1.7 mg/kg		1.613 mg/kg	0.000161 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		**<LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5.2 mg/kg	1.579	7.793 mg/kg	0.000779 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		**<LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		9 mg/kg	4.398	37.553 mg/kg	0.00376 %	✓	
13	pH			PH		7.4 pH		7.4 pH	7.4 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.00679 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS27

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS27
Sample Depth:
0.20 m
Moisture content:
14%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14 mg/kg	1.32	16.215 mg/kg	0.00162 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.76 mg/kg	2.775	1.85 mg/kg	0.000185 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		1.2 mg/kg	13.43	14.137 mg/kg	0.00141 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.5 mg/kg	1.285	0.564 mg/kg	0.0000439 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	29.488 mg/kg	0.00295 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		89 mg/kg	1.126	87.898 mg/kg	0.00879 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	110 mg/kg		96.491 mg/kg	0.00965 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		**<LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17 mg/kg	1.579	23.554 mg/kg	0.00236 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.3 mg/kg	1.405	1.602 mg/kg	0.00016 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		220 mg/kg	4.398	848.723 mg/kg	0.0849 %	✓	
13	pH			PH		7.2 pH		7.2 pH	7.2 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				21	mg/kg		18.421	mg/kg	0.00184 %	✓	
				TPH									
16		acenaphthene				0.06	mg/kg		0.0526	mg/kg	0.00000526 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.09	mg/kg		0.0789	mg/kg	0.00000789 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.62	mg/kg		0.544	mg/kg	0.0000544 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.67	mg/kg		0.588	mg/kg	0.0000588 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.75	mg/kg		0.658	mg/kg	0.0000658 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.36	mg/kg		0.316	mg/kg	0.0000316 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.33	mg/kg		0.289	mg/kg	0.0000289 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.66	mg/kg		0.579	mg/kg	0.0000579 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				0.07	mg/kg		0.0614	mg/kg	0.00000614 %	✓	
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.2	mg/kg		1.053	mg/kg	0.000105 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.33	mg/kg		0.289	mg/kg	0.0000289 %	✓	
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.45	mg/kg		0.395	mg/kg	0.0000395 %	✓	
			201-581-5	85-01-8									
31		pyrene				1.1	mg/kg		0.965	mg/kg	0.0000965 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.114 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00184%)

Classification of sample: RO07

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
RO07
Sample Depth:
0.30 m
Moisture content:
8.2%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.2% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.1 mg/kg	1.32	8.664 mg/kg	0.000866 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.46 mg/kg	2.775	1.18 mg/kg	0.000118 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.965 mg/kg	0.000496 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.238 mg/kg	0.0000185 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	31.068 mg/kg	0.00311 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	21.852 mg/kg	0.00219 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	27 mg/kg		24.954 mg/kg	0.0025 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15 mg/kg	1.579	21.897 mg/kg	0.00219 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		45 mg/kg	4.398	182.908 mg/kg	0.0183 %	✓	
13	pH			PH		7.6 pH		7.6 pH	7.6 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.11	mg/kg		0.102	mg/kg	0.0000102 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.11	mg/kg		0.102	mg/kg	0.0000102 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.15	mg/kg		0.139	mg/kg	0.0000139 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.2	mg/kg		0.185	mg/kg	0.0000185 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.1	mg/kg		0.0924	mg/kg	0.00000924 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.2	mg/kg		0.185	mg/kg	0.0000185 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0298 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: RO07[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
RO07[2]
Sample Depth:
0.70 m
Moisture content:
3%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1.5 mg/kg	1.32	1.923 mg/kg	0.000192 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.2 mg/kg	2.775	0.539 mg/kg	0.0000539 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.912 mg/kg	0.000391 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11 mg/kg	1.462	15.609 mg/kg	0.00156 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.7 mg/kg	1.126	6.231 mg/kg	0.000623 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4.2 mg/kg		4.078 mg/kg	0.000408 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		6.7 mg/kg	1.579	10.274 mg/kg	0.00103 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		12 mg/kg	4.398	51.238 mg/kg	0.00512 %	✓	
13	pH			PH		8 pH		8 pH	8pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.00938 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: RO04

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
RO04
Sample Depth:
0.20 m
Moisture content:
7.7%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.7% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.2 mg/kg	1.32	7.601 mg/kg	0.00076 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.44 mg/kg	2.775	1.134 mg/kg	0.000113 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.3 mg/kg	13.43	3.741 mg/kg	0.000374 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.239 mg/kg	0.0000186 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		20 mg/kg	1.462	27.141 mg/kg	0.00271 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18 mg/kg	1.126	18.817 mg/kg	0.00188 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	26 mg/kg		24.141 mg/kg	0.00241 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		10 mg/kg	1.579	14.666 mg/kg	0.00147 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		35 mg/kg	4.398	142.922 mg/kg	0.0143 %	✓	
13	pH			PH		8.2 pH		8.2 pH	8.2 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.08	mg/kg		0.0743	mg/kg	0.00000743 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				0.06	mg/kg		0.0557	mg/kg	0.00000557 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.024 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: RO01

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
RO01
Sample Depth:
0.50 m
Moisture content:
1.7%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 1.7% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.06 mg/kg	2.775	<0.167 mg/kg	<0.0000167 %		<LOD
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.2 mg/kg	13.43	2.641 mg/kg	0.000264 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		5.8 mg/kg	1.462	8.335 mg/kg	0.000834 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5 mg/kg	1.126	5.535 mg/kg	0.000554 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1.8 mg/kg		1.77 mg/kg	0.000177 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		2 mg/kg	1.579	3.106 mg/kg	0.000311 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		6.3 mg/kg	4.398	27.244 mg/kg	0.00272 %	✓	
13	pH			PH		6.6 pH		6.6 pH	6.6 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.00486 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: RO01[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
RO01[2]
Sample Depth:
1.50 m
Moisture content:
2.2%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 2.2% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.08 mg/kg	2.775	0.217 mg/kg	0.0000217 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.9 mg/kg	1.462	11.298 mg/kg	0.00113 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.1 mg/kg	1.126	6.72 mg/kg	0.000672 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	3.3 mg/kg		3.229 mg/kg	0.000323 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		4.9 mg/kg	1.579	7.573 mg/kg	0.000757 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		7.7 mg/kg	4.398	33.135 mg/kg	0.00331 %	✓	
13	pH			PH		7.8 pH		7.8 pH	7.8 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.00622 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS39

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS39
Sample Depth:
None Supplied m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		15 mg/kg	1.32	17.842 mg/kg	0.00178 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.67 mg/kg	2.775	1.675 mg/kg	0.000168 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.84 mg/kg	0.000484 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.347 mg/kg	0.000027 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19 mg/kg	1.462	25.018 mg/kg	0.0025 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		48 mg/kg	1.126	48.687 mg/kg	0.00487 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	67 mg/kg		60.36 mg/kg	0.00604 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	19.922 mg/kg	0.00199 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.1 mg/kg	1.405	1.392 mg/kg	0.000139 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		83 mg/kg	4.398	328.854 mg/kg	0.0329 %	✓	
13	pH			PH		7.3 pH		7.3 pH	7.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.25	mg/kg		0.225	mg/kg	0.0000225 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.22	mg/kg		0.198	mg/kg	0.0000198 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.27	mg/kg		0.243	mg/kg	0.0000243 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.14	mg/kg		0.126	mg/kg	0.0000126 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.14	mg/kg		0.126	mg/kg	0.0000126 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.27	mg/kg		0.243	mg/kg	0.0000243 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.49	mg/kg		0.441	mg/kg	0.0000441 %	✓	
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.13	mg/kg		0.117	mg/kg	0.0000117 %	✓	
			205-893-2	193-39-5									
29		naphthalene				0.08	mg/kg		0.0721	mg/kg	0.00000721 %	✓	
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.21	mg/kg		0.189	mg/kg	0.0000189 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.45	mg/kg		0.405	mg/kg	0.0000405 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0511 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS39[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS39[2]
Sample Depth:
None Supplied m
Moisture content:
5.3%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.3% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.1 mg/kg	1.32	3.887 mg/kg	0.000389 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.25 mg/kg	2.775	0.659 mg/kg	0.0000659 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13 mg/kg	1.462	18.044 mg/kg	0.0018 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9 mg/kg	1.126	9.623 mg/kg	0.000962 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4 mg/kg		3.799 mg/kg	0.00038 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		10 mg/kg	1.579	15 mg/kg	0.0015 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		16 mg/kg	4.398	66.825 mg/kg	0.00668 %	✓	
13	pH			PH		8.3 pH		8.3 pH	8.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0									
27		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5									
29		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
31		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0118 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS40

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS40
Sample Depth:
None Supplied m
Moisture content:
11%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 11% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	14.274 mg/kg	0.00143 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.78 mg/kg	2.775	1.95 mg/kg	0.000195 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	4.84 mg/kg	0.000484 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.347 mg/kg	0.000027 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		19 mg/kg	1.462	25.018 mg/kg	0.0025 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		42 mg/kg	1.126	42.601 mg/kg	0.00426 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	67 mg/kg		60.36 mg/kg	0.00604 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		16 mg/kg	1.579	22.768 mg/kg	0.00228 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		85 mg/kg	4.398	336.778 mg/kg	0.0337 %	✓	
13	pH			PH		7.3 pH		7.3 pH	7.3 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				0.09	mg/kg		0.0811	mg/kg	0.00000811 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.09	mg/kg		0.0811	mg/kg	0.00000811 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.08	mg/kg		0.0721	mg/kg	0.00000721 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.13	mg/kg		0.117	mg/kg	0.0000117 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.08	mg/kg		0.0721	mg/kg	0.00000721 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.05	mg/kg		0.045	mg/kg	0.0000045 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.11	mg/kg		0.0991	mg/kg	0.00000991 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.18	mg/kg		0.162	mg/kg	0.0000162 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.08	mg/kg		0.0721	mg/kg	0.00000721 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.06	mg/kg		0.0541	mg/kg	0.00000541 %	✓	
			205-893-2	193-39-5									
29		naphthalene				0.09	mg/kg		0.0811	mg/kg	0.00000811 %	✓	
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.16	mg/kg		0.144	mg/kg	0.0000144 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.18	mg/kg		0.162	mg/kg	0.0000162 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.051 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: DS41

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS41
Sample Depth:
None Supplied m
Moisture content:
17%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 17% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	20.313 mg/kg	0.00203 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1.1 mg/kg	2.775	2.609 mg/kg	0.000261 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.183 mg/kg	0.000918 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.2 mg/kg	1.285	0.22 mg/kg	0.0000171 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		35 mg/kg	1.462	43.722 mg/kg	0.00437 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		70 mg/kg	1.126	67.361 mg/kg	0.00674 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	120 mg/kg		102.564 mg/kg	0.0103 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		27 mg/kg	1.579	36.45 mg/kg	0.00364 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.2 mg/kg	1.405	1.441 mg/kg	0.000144 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		96 mg/kg	4.398	360.855 mg/kg	0.0361 %	✓	
13	pH			PH		7.1 pH		7.1 pH	7.1 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				18	mg/kg		15.385	mg/kg	0.00154 %	✓	
				TPH									
16		acenaphthene				0.08	mg/kg		0.0684	mg/kg	0.00000684 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.1	mg/kg		0.0855	mg/kg	0.00000855 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.51	mg/kg		0.436	mg/kg	0.0000436 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.6	mg/kg		0.513	mg/kg	0.0000513 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.64	mg/kg		0.547	mg/kg	0.0000547 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.42	mg/kg		0.359	mg/kg	0.0000359 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.39	mg/kg		0.333	mg/kg	0.0000333 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.64	mg/kg		0.547	mg/kg	0.0000547 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				0.07	mg/kg		0.0598	mg/kg	0.00000598 %	✓	
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				1.1	mg/kg		0.94	mg/kg	0.000094 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.09	mg/kg		0.0769	mg/kg	0.00000769 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.34	mg/kg		0.291	mg/kg	0.0000291 %	✓	
			205-893-2	193-39-5									
29		naphthalene				0.09	mg/kg		0.0769	mg/kg	0.00000769 %	✓	
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.57	mg/kg		0.487	mg/kg	0.0000487 %	✓	
			201-581-5	85-01-8									
31		pyrene				1	mg/kg		0.855	mg/kg	0.0000855 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0666 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00154%)

Classification of sample: DS41[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
DS41[2]
Sample Depth:
None Supplied m
Moisture content:
16%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.9 mg/kg	1.32	10.13 mg/kg	0.00101 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.61 mg/kg	2.775	1.459 mg/kg	0.000146 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	5.789 mg/kg	0.000579 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		34 mg/kg	1.462	42.839 mg/kg	0.00428 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	15.529 mg/kg	0.00155 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	8.1 mg/kg		6.983 mg/kg	0.000698 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23 mg/kg	1.579	31.318 mg/kg	0.00313 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		36 mg/kg	4.398	136.487 mg/kg	0.0136 %	✓	
13	pH			PH		7.7 pH		7.7 pH	7.7 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<**LOD**
				TPH							
16		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7							
19		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-912-4	206-44-0							
27		fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-893-2	193-39-5							
29		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8							
31		pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0251 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP65

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP65
Sample Depth:
None Supplied m
Moisture content:
8%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.1 mg/kg	1.32	9.902 mg/kg	0.00099 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.41 mg/kg	2.775	1.054 mg/kg	0.000105 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.5 mg/kg	13.43	6.218 mg/kg	0.000622 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<**LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		11 mg/kg	1.462	14.886 mg/kg	0.00149 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		23 mg/kg	1.126	23.977 mg/kg	0.0024 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	32 mg/kg		29.63 mg/kg	0.00296 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		13 mg/kg	1.579	19.012 mg/kg	0.0019 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		44 mg/kg	4.398	179.175 mg/kg	0.0179 %	✓	
13	pH			PH		8.2 pH		8.2 pH	8.2 pH		

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
15		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		0.08	mg/kg		0.0741	mg/kg	0.00000741 %	✓	
17		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		anthracene		204-371-1	120-12-7		0.06	mg/kg		0.0556	mg/kg	0.00000556 %	✓	
19		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.21	mg/kg		0.194	mg/kg	0.0000194 %	✓	
20		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.22	mg/kg		0.204	mg/kg	0.0000204 %	✓	
21		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.26	mg/kg		0.241	mg/kg	0.0000241 %	✓	
22		benzo[ghi]perylene		205-883-8	191-24-2		0.16	mg/kg		0.148	mg/kg	0.0000148 %	✓	
23		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.11	mg/kg		0.102	mg/kg	0.0000102 %	✓	
24		chrysene	601-048-00-0	205-923-4	218-01-9		0.23	mg/kg		0.213	mg/kg	0.0000213 %	✓	
25		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluoranthene		205-912-4	206-44-0		0.44	mg/kg		0.407	mg/kg	0.0000407 %	✓	
27		fluorene		201-695-5	86-73-7		0.07	mg/kg		0.0648	mg/kg	0.00000648 %	✓	
28		indeno[123-cd]pyrene		205-893-2	193-39-5		0.13	mg/kg		0.12	mg/kg	0.000012 %	✓	
29		naphthalene	601-052-00-2	202-049-5	91-20-3		0.74	mg/kg		0.685	mg/kg	0.0000685 %	✓	
30		phenanthrene		201-581-5	85-01-8		0.41	mg/kg		0.38	mg/kg	0.000038 %	✓	
31		pyrene		204-927-3	129-00-0		0.43	mg/kg		0.398	mg/kg	0.0000398 %	✓	
32		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
											Total:	0.0287 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP65[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP65[2]
Sample Depth:
None Supplied m
Moisture content:
15%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		12 mg/kg	1.32	13.777 mg/kg	0.00138 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	1.448 mg/kg	0.000145 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	9.343 mg/kg	0.000934 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3 mg/kg	1.285	0.335 mg/kg	0.0000261 %	✓	
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		17 mg/kg	1.462	21.606 mg/kg	0.00216 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		30 mg/kg	1.126	29.371 mg/kg	0.00294 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	47 mg/kg		40.87 mg/kg	0.00409 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<**LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		14 mg/kg	1.579	19.229 mg/kg	0.00192 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<**LOD**
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		65 mg/kg	4.398	248.578 mg/kg	0.0249 %	✓	
13	pH			PH		7.7 pH		7.7 pH	7.7 pH		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<**LOD**
		006-007-00-5											
15		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
				TPH									
16		acenaphthene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			201-469-6	83-32-9									
17		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
18		anthracene				0.08	mg/kg		0.0696	mg/kg	0.00000696 %	✓	
			204-371-1	120-12-7									
19		benzo[a]anthracene				0.3	mg/kg		0.261	mg/kg	0.0000261 %	✓	
		601-033-00-9	200-280-6	56-55-3									
20		benzo[a]pyrene; benzo[def]chrysene				0.34	mg/kg		0.296	mg/kg	0.0000296 %	✓	
		601-032-00-3	200-028-5	50-32-8									
21		benzo[b]fluoranthene				0.41	mg/kg		0.357	mg/kg	0.0000357 %	✓	
		601-034-00-4	205-911-9	205-99-2									
22		benzo[ghi]perylene				0.24	mg/kg		0.209	mg/kg	0.0000209 %	✓	
			205-883-8	191-24-2									
23		benzo[k]fluoranthene				0.15	mg/kg		0.13	mg/kg	0.000013 %	✓	
		601-036-00-5	205-916-6	207-08-9									
24		chrysene				0.33	mg/kg		0.287	mg/kg	0.0000287 %	✓	
		601-048-00-0	205-923-4	218-01-9									
25		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
26		fluoranthene				0.57	mg/kg		0.496	mg/kg	0.0000496 %	✓	
			205-912-4	206-44-0									
27		fluorene				0.07	mg/kg		0.0609	mg/kg	0.00000609 %	✓	
			201-695-5	86-73-7									
28		indeno[123-cd]pyrene				0.19	mg/kg		0.165	mg/kg	0.0000165 %	✓	
			205-893-2	193-39-5									
29		naphthalene				0.56	mg/kg		0.487	mg/kg	0.0000487 %	✓	
		601-052-00-2	202-049-5	91-20-3									
30		phenanthrene				0.45	mg/kg		0.391	mg/kg	0.0000391 %	✓	
			201-581-5	85-01-8									
31		pyrene				0.57	mg/kg		0.496	mg/kg	0.0000496 %	✓	
			204-927-3	129-00-0									
32		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
										Total:	0.0388 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP67B

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
TP67B
Sample Depth:
None Supplied m
Moisture content:
8.1%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.1% Dry Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	confirm TPH has NOT arisen from diesel or petrol					☑					
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.2 mg/kg	1.32	10.015 mg/kg	0.001 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8 mg/kg	2.775	2.054 mg/kg	0.000205 %	✓	
4	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		3.2 mg/kg	13.43	39.756 mg/kg	0.00398 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		**<LOD**
6	chromium { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		16 mg/kg	1.462	21.633 mg/kg	0.00216 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		39 mg/kg	1.126	40.619 mg/kg	0.00406 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	28 mg/kg		25.902 mg/kg	0.00259 %	✓	
9	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		**<LOD**
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23 mg/kg	1.579	33.606 mg/kg	0.00336 %	✓	
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1 mg/kg	1.405	1.3 mg/kg	0.00013 %	✓	
12	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110 mg/kg	4.398	447.523 mg/kg	0.0448 %	✓	
13	pH			PH		9.3 pH		9.3 pH	9.3 pH		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
14		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<**LOD**
		006-007-00-5									
15		TPH (C6 to C40) petroleum group				78 mg/kg		72.155 mg/kg	0.00722 %	✓	
				TPH							
16		acenaphthene				0.26 mg/kg		0.241 mg/kg	0.0000241 %	✓	
			201-469-6	83-32-9							
17		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8							
18		anthracene				0.33 mg/kg		0.305 mg/kg	0.0000305 %	✓	
			204-371-1	120-12-7							
19		benzo[a]anthracene				0.34 mg/kg		0.315 mg/kg	0.0000315 %	✓	
		601-033-00-9	200-280-6	56-55-3							
20		benzo[a]pyrene; benzo[def]chrysene				0.27 mg/kg		0.25 mg/kg	0.000025 %	✓	
		601-032-00-3	200-028-5	50-32-8							
21		benzo[b]fluoranthene				0.32 mg/kg		0.296 mg/kg	0.0000296 %	✓	
		601-034-00-4	205-911-9	205-99-2							
22		benzo[ghi]perylene				0.19 mg/kg		0.176 mg/kg	0.0000176 %	✓	
			205-883-8	191-24-2							
23		benzo[k]fluoranthene				0.12 mg/kg		0.111 mg/kg	0.0000111 %	✓	
		601-036-00-5	205-916-6	207-08-9							
24		chrysene				0.37 mg/kg		0.342 mg/kg	0.0000342 %	✓	
		601-048-00-0	205-923-4	218-01-9							
25		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3							
26		fluoranthene				0.88 mg/kg		0.814 mg/kg	0.0000814 %	✓	
			205-912-4	206-44-0							
27		fluorene				0.24 mg/kg		0.222 mg/kg	0.0000222 %	✓	
			201-695-5	86-73-7							
28		indeno[123-cd]pyrene				0.13 mg/kg		0.12 mg/kg	0.000012 %	✓	
			205-893-2	193-39-5							
29		naphthalene				0.9 mg/kg		0.833 mg/kg	0.0000833 %	✓	
		601-052-00-2	202-049-5	91-20-3							
30		phenanthrene				1.4 mg/kg		1.295 mg/kg	0.00013 %	✓	
			201-581-5	85-01-8							
31		pyrene				0.74 mg/kg		0.685 mg/kg	0.0000685 %	✓	
			204-927-3	129-00-0							
32		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2							
								Total:	0.0701 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 10000 mg/kg (1%) because: No significant volatile contamination or calorific materials are present.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00722%)

Appendix A: Classifier defined and non GB MCL determinands

confirm TPH has NOT arisen from diesel or petrol

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

boron tribromide/trichloride/trifluoride (combined) (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06 Aug 2015
Hazard Statements: EUH014 , Acute Tox. 2; H330 , Acute Tox. 2; H300 , Skin Corr. 1A; H314 , Skin Corr. 1B; H314

chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

lead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on risk phrases

beryllium {beryllium oxide}

Worst case species based on risk phrases

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on risk phrases

cadmium {cadmium sulfide}

Worst case species based on risk phrases

chromium {chromium(III) oxide (worst case)}

All chromium VI concentrations are below the laboratory LoD (1.8mg/kg).

copper {dicopper oxide; copper (I) oxide}

Most likely common species

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

All chromium VI concentrations are below the laboratory LoD (1.8mg/kg).

mercury {mercury dichloride}

Worst case species based on risk phrases

nickel {nickel dihydroxide}

Worst case species based on risk phrases

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Worst case species based on risk phrases

zinc {zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]}

All chromium VI concentrations are below the laboratory LoD (1.8mg/kg).

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Worst case species

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.275.6807.12324 (02 Oct 2025)
HazWasteOnline Database: 2025.273.6804.12320 (30 Sep 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024
GB MCL List v6.0 - version 6.0 of 15th February 2025

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